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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME  
OF PRIME CONTRACT AWARDS FOR RDT&E, FY-81. (U)  
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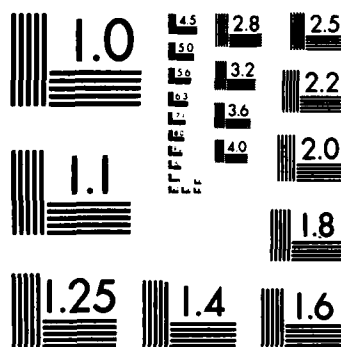
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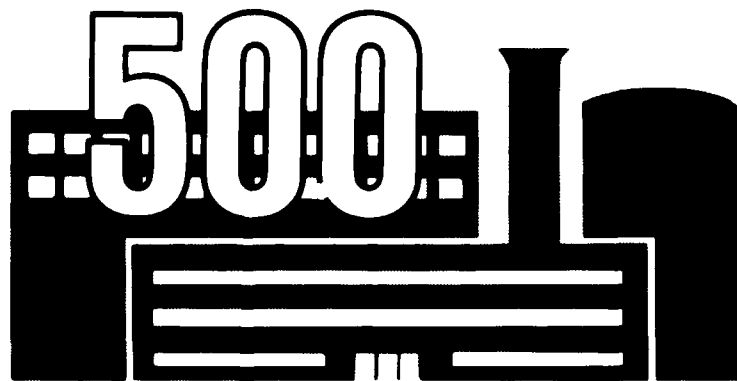


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NATIONAL BUREAU OF STANDARDS-1963-A

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**500 CONTRACTORS**  
**RECEIVING THE LARGEST DOLLAR VOLUME**  
**OF PRIME CONTRACT AWARDS**  
**FOR RDT&E**  
**Fiscal Year 1981**



Department of Defense

**500 CONTRACTORS RECEIVING THE LARGEST  
DOLLAR VOLUME OF PRIME CONTRACT AWARDS FOR  
RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**

Fiscal Year 1981

Issued Annually by

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## **FOREWORD**

*500 Contractors Receiving the Largest Dollar Volume of Prime Contract Awards for Research, Development, Test, and Evaluation (RDT&E)* is published annually by the Office of the Secretary of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (WHS/DIOR).

This report provides information on the 500 contractors that received the largest dollar volume in Department of Defense (DOD) prime contract awards over \$10,000 for RDT&E in Fiscal Year (FY) 1981. These data are presented in five tables showing:

1. An alphabetical listing of the top 500 companies, with rank;
2. The ranking of and net value of awards to business firms operating in the United States;
3. The ranking of and net value of awards to educational and other nonprofit institutions operating in the United States;
4. The ranking of and net value of awards to foreign contractors; and
5. The ranking of and net value of awards to U.S. Government agencies.

Requests for additional information should be addressed to WHS/DIOR Special Projects Division, Room 1C535, The Pentagon, Washington, D.C., 20301, or call (202) 695-6815.

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## INTRODUCTION

This report presents summary data on the 500 prime contractors receiving the largest dollar volume in Department of Defense (DOD) awards over \$10,000 for research, development, test, and evaluation (RDT&E) work during Fiscal Year (FY) 1981. RDT&E work can include research, exploratory development, advanced development, engineering development, operational systems development, or management and support services. (Full definitions for each of these categories are provided in Defense Acquisition Regulation 4-101.)

Table 1 (page 5) lists the 500 contractors in alphabetical order, shows the ranking for each, and shows how each has been categorized for reporting purposes. The categories are business firm (B), foreign contractor (F), and nonprofit institution (N). Table 2 (page 11) shows the net value of awards to business firms operating in the United States, by rank. Those firms which qualify as small businesses are further identified by an "S". The net value of awards to each of the firm's individual locations is also provided. Tables 3, 4, and 5 (pages 25, 29, and 31, respectively) provide the net value of awards to educational and other nonprofit institutions operating in the United States, foreign contractors, and U.S. government agencies, respectively. While awards to U.S. government agencies are listed separately in Table 5, these agencies are categorized as nonprofit institutions in Table 1. As in Table 2, contractors in Tables 3 through 5 are shown by rank, along with the net value of awards to each of the contractor's individual locations.

### NOTES ON COVERAGE

The dollar amounts shown here include prime contract awards over \$10,000 for RDT&E work only. Data on awards for other services, such as training, and on any supplies furnished by the contractors in support of research being done are excluded. Since FY 1980, contract awards for civil functions have been included in these data. (Civil functions encompass planning, programming, designing, constructing, and operating Federal water resource projects for navigation, flood control, hydroelectric power production, water supply, and other related activities.) Data prior to FY 1980 were limited to military prime contract awards.

The locations shown in the tables are the places where the work was to be performed. Normally, this is a facility of the concern awarded the contract. However, if the work was scheduled to be performed at a Defense facility, such as an Air Force base, the location shown is that of the Defense facility rather than the contractor.

### HIGHLIGHTS OF FY 1981 DATA

Table A (page 2) shows the net value and percent distribution of all RDT&E awards, RDT&E awards to the top 500 companies, and all other RDT&E awards for FY 1981. The distribution of FY 1981 awards varies only slightly from that in FY 1980. In FY 1981, the top 500 contractors included 383 U.S. business firms (190 of which were small businesses); 106 educational and nonprofit institutions; 7 foreign contractors; and 4 U.S. government agencies.



TABLE A

TYPE OF CONTRACTOR	TOTAL RDT&E			500 CONTRACTORS RDT&E			ALL OTHER RDT&E		
	NUMBER OF CONTRACTORS	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER OF CONTRACTORS	AWARDS (\$000)	PERCENT OF TOTAL	NUMBER OF CONTRACTORS	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>2,008</u>	<u>\$10,481,722</u>	<u>100</u>	<u>500</u>	<u>\$10,224,585</u>	<u>100</u>	<u>1,508</u>	<u>257,137</u>	<u>100</u>
BUSINESS FIRMS	<u>1,604</u>	<u>9,142,435</u>	<u>87</u>	<u>383</u>	<u>8,929,974</u>	<u>87</u>	<u>1,221</u>	<u>212,461</u>	<u>83</u>
Small	1,127	668,017	6	190	513,694	5	937	154,323	60
Large	477	8,474,418	81	193	8,416,280	82	284	58,138	23
EDUCATIONAL & NONPROFIT	<u>310</u>	<u>1,256,406</u>	<u>12</u>	<u>106</u>	<u>1,219,059</u>	<u>12</u>	<u>204</u>	<u>37,347</u>	<u>15</u>
Educational	199	711,221	7	79	685,428	7	120	25,793	10
Other Nonprofit	111	545,185	5	27	533,631	5	84	11,554	4
U.S. GOVERNMENT AGENCIES	<u>10</u>	<u>29,157</u>	<u>*</u>	<u>4</u>	<u>27,042</u>	<u>*</u>	<u>6</u>	<u>2,115</u>	<u>1</u>
FOREIGN	<u>84</u>	<u>53,724</u>	<u>1</u>	<u>7</u>	<u>48,510</u>	<u>*</u>	<u>77</u>	<u>5,214</u>	<u>2</u>
Nonprofit	35	8,602	*	2	6,902	*	33	1,700	1
Business Firms	49	45,122	*	5	41,608	*	44	3,514	1

Note: An "\*" in the percent column represents a figure of less than 0.05 percent. Percentages may not add due to rounding.

TABLE B

TYPE	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>\$10,481,722</u>	<u>100.0</u>
Engineering Development	4,806,837	45.9
Advanced Development	2,129,975	20.3
Operational Systems	1,295,684	12.4
Exploratory Development	1,081,072	10.3
Research	694,155	6.6
Management and Support	473,999	4.5

TABLE C

PROGRAM	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E — TOTAL	<u>\$10,481,722</u>	<u>100.0</u>
Missiles & Space Systems	4,603,207	43.9
Electronics & Communications Equipment	2,580,957	24.6
Services	1,474,447	14.1
Aircraft	739,172	7.1
Ships	292,676	2.8
Weapons	253,464	2.4
Ammunition	208,356	2.0
Tank-Automotive	149,853	1.4
All Other	179,590	1.7

In FY 1980 the top 500 consisted of 375 U.S. business firms (176 were small businesses); 113 educational and nonprofit institutions; 7 foreign contractors; and 5 U.S. government agencies. In FY 1981, there were 96 contractors that made the top 500 list that had not appeared on the FY 1980 list, the same number as in FY 1980.

In addition to the top 500 contractors, there were 1,508 other contractors for whom RDT&E procurement actions over \$10,000 were reported, for a total of 2,008 contractors for FY 1981. In FY 1980, the total number of contractors was 2,026. The top 500 RDT&E contractors received awards totaling \$10,225 million in FY 1981, compared to \$9,253 million in FY 1980, an increase of \$972 million or 10.5 percent. The \$10,225 million represents 97.5 percent of the \$10,482 million total prime contract awards over \$10,000 for RDT&E work in FY 1981.

Of the 25 contractors with RDT&E awards of \$100 million or more in FY 1981, 21 were business firms and 4 were educational and other nonprofit institutions. These 25 contractors had a total of \$6,651 million in RDT&E awards. In FY 1980, there were 23 contractors who reached the \$100 million plateau, with awards totaling \$5,944 million. Of these 23 contractors, 20 were business firms and 3 were educational and other nonprofit institutions. The amount of awards for this \$100 million group increased by \$707 million or 11.9 percent between FY 1980 and 1981.

Table B (page 2) shows the type of RDT&E work the contractors were engaged in and the net value and percent distribution of awards for each of these types in FY 1981. Engineering development accounted for the majority (45.9 percent) of RDT&E awards, followed by advanced development (20.3 percent).

Table C (page 2) shows the net value and percent distribution of all RDT&E awards by type of program. Within the RDT&E contracts, the largest volume of awards was for the research, development, test, or evaluation of missiles & space systems and electronic & communications equipment. In FY 1981, a combined total of \$7,184 million or 68.5 percent of all RDT&E awards over \$10,000 was for work connected with these programs.

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work: FY 1981**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
49 B	A A I CORP	47 B	B D M CORP
276 B	A L S ELECTRONICS CORP	166 B	B D M SERVICES CO
170 B	A M GENERAL CORP	331 B	B K DYNAMICS INC
232 B	ACUREX CORP	293 B	BALL BROS RESEARCH CORP
484 B	ADVANCED DESIGN CORP	467 B	BATTELLE COLUMBUS LABORATORIES
445 B	ADVANCED INFORMATION & DECN SYS	77 N	BATTELLE MEMORIAL INSTITUTE
433 B	ADVANCED MARINE ENTERPRISES INC	479 B	BEDFORD RESEARCH ASSOCIATES INC
309 B	ADVANCED RESEARCH & APPL CORP	306 B	BELL & HOWELL CO
469 B	ADVANCED TECHNOLOGY	66 B	BENDIX CORP
211 B	ADVANCED TECHNOLOGY INC	100 B	BENDIX FIELD ENGINEERING CORP
354 B	AERODYNE RESEARCH INC	190 B	BETAC CORP
25 B	AEROJET GENERAL CORP	417 B	BLOCK ENGINEERING INC
315 B	AEROMET INC	9 B	BOEING AEROSPACE CO
345 B	AERONAUTICAL RESEARCH ASSOCIATES	2 B	BOEING CO
10 N	AEROSPACE CORP	382 B	BOEING COMPUTER SERVICES INC
387 N	ALABAMA UNIVERSITY OF	149 B	BOEING VERTOL CO
329 B	ALTUS CORP	110 B	BOLT BERANEK & NEWMAN INC
159 F	ALVIS LTD	128 B	BOOZ ALLEN & HAMILTON INC
286 B	AMERICAN ELECTRONIC LABS INC	378 B	BOOZ ALLEN APPLIED RESEARCH INC
337 N	AMERICAN HEALTH FOUNDATION	229 N	BOSTON COLLEGE
114 B	AMERICAN HOME PRODUCTS CORP	241 N	BOSTON UNIVERSITY
60 B	AMEX SYSTEMS INC	347 B	BROWN DAYTON T INC
288 B	AMPEX CORP	353 N	BROWN UNIVERSITY
348 B	ANACAPA SCIENCES INC	125 B	BRUNSWICK CORP
260 B	ANALYSIS & COMPUTER SYSTEMS INC	102 B	BUNKER RAMO CORP
180 B	ANALYSIS & TECHNOLOGY INC	213 B	BURROUGHS CORP
468 B	ANALYTIC DECISIONS INC	448 B	C D I CORP
89 B	ANALYTIC SCIENCES CORP	371 B	C N R INC
137 N	ANALYTIC SERVICES INC	294 B	C T E C
424 B	ANALYTICAL ASSESSMENTS CORP	465 B	CADILLAC GAGE CO
130 B	ANALYTICAL SYSTEMS ENGR CORP	333 B	CADRE CORP
171 B	ANALYTICS INC	366 B	CALCULON CORP
367 B	ANALYTYX ELECTRONICS SYSTEMS INC	187 N	CALIFORNIA INSTITUTE OF TECHNOLOGY
492 B	APPLICATIONS RESEARCH CORP	408 B	CALIFORNIA RESEARCH & TECHNOLOGY
466 B	APPLICON INC	57 N	CALIFORNIA UNIVERSITY OF
291 B	APPLIED RESEARCH INC	45 B	CALSPAN CORP
364 B	APPLIED SCIENCE ASSOCIATES INC	79 F	CANADIAN COMMERCIAL CORP
116 B	ARES INC	319 N	CAPITOL RADIO ENGINEERING INST INC
373 B	ARETE ASSOCIATES INC	135 N	CARNEGIE MELLON UNIVERSITY
208 B	ARGO SYSTEMS INC	383 B	CAS INC
152 B	ARINC RESEARCH CORP	254 N	CASE WESTERN RESERVE UNIVERSITY
203 N	ARIZONA UNIVERSITY OF	425 B	CHALCO ENGINEERING CORP
421 B	ARMAMENT SYSTEMS INC	184 B	CHAMBERLAIN MFG CORP
271 B	ATLANTIC ANALYSIS CORP	43 N	CHARLES STARK DRAPER LABS INC
162 B	ATLANTIC RESEARCH CORP	139 B	CHRYSLER CORP
356 B	AUERBACH ASSOCIATES INC	32 B	CHRYSLER DEFENSE INC
360 B	AUSTIN RESEARCH ASSOCIATES	107 B	CINCINNATI ELECTRONICS CORP
30 B	AUTOMATION INDUSTRIES INC	430 N	CLEMSON UNIVERSITY
24 B	AVCO CORP	253 N	COLORADO STATE UNIVERSITY
112 B	AVCO EVERETT RESEARCH LABORATORY	322 N	COLORADO UNIVERSITY

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work: FY 1981  
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
156 N	COLUMBIA UNIVERSITY	473 N	EMMANUEL COLLEGE
109 B	COMMAND CONTROL & COMMUNICATION	385 B	ENERGY RESEARCH CORP
169 B	COMPTON RESEARCH INC	195 B	ENGINEERING RESEARCH ASSOCIATES
480 B	COMPUGRAPHIC CORP	129 B	ENSCO INC
252 B	COMPUTER CORP OF AMERICA	148 N	ENVIRONMENTAL RSCH INST OF MICH
56 B	COMPUTER SCIENCES CORP	497 B	ERTEC WESTERN INC
391 B	CONAX CORP	470 B	ESSEX CORP
98 B	CONTROL DATA CORP	147 B	EX CELL O CORP
179 N	CORNELL UNIVERSITY	40 B	F M C CORP
346 B	CORNING GLASS WORKS	202 B	FAIRCHILD CAMERA & INSTRUMENT CORP
446 B	CORVUS SYSTEMS INC	85 B	FAIRCHILD INDUSTRIES INC
427 B	CRAIG SYSTEMS CORP	426 B	FALCON RESEARCH & DEVELOPMENT CO
181 B	CUBIC CORP	428 B	FEDERAL ELECTRIC CORP
247 B	CUMMINS ENGINE CO INC	341 B	FIBER MATERIALS INC
136 B	CURTISS WRIGHT CORP	298 B	FIGGIE INTERNATIONAL INC
222 B	D B A SYSTEMS INC	359 B	FIRESTONE TIRE & RUBBER CO
93 N	DAYTON UNIVERSITY OF	227 B	FLIGHT SYSTEMS INC
361 B	DECISION SCIENCE APPLICATIONS INC	314 N	FLORIDA STATE UNIVERSITY
193 B	DECISIONS & DESIGNS INC	303 N	FLORIDA TECHNOLOGICAL UNIVERSITY
472 B	DEFENSE SYSTEMS INC	301 N	FLORIDA UNIVERSITY
266 B	DELEX SYSTEMS INC	62 B	FORD AEROSPACE & COMMUNICATIONS
406 B	DENELCOR INC	289 B	FREQUENCY & TIME SYSTEMS INC
401 N	DENVER UNIVERSITY OF	404 B	FREQUENCY ELECTRONICS INC
409 B	DESIGNERS & PLANNERS INC	73 B	FUGRO NATIONAL INC
212 B	DEVELOPMENTAL SCIENCES INC	71 B	G T E PRODUCTS CORP
395 B	DIGITAL COMMUNICATIONS CORP	20 B	G T E SYLVANIA INC
255 B	DIGITAL EQUIPMENT CORP	119 B	GARRETT CORP
377 B	DIKEWOOD INDUSTRIES INC	261 B	GENERAL ATRONICS CORP
400 B	DOTY ASSOCIATES	174 B	GENERAL DEFENSE CORP
435 N	DREXEL UNIVERSITY	6 B	GENERAL DYNAMICS CORP
355 N	DUKE UNIVERSITY	5 B	GENERAL ELECTRIC CO
82 B	DYNALECTRON CORP	58 B	GENERAL MOTORS CORP
177 B	DYNAMICS RESEARCH CORP	250 B	GENERAL OFFSHORE CORP
452 B	DYNAMICS SYSTEMS CORP	81 B	GENERAL RESEARCH CORP
224 B	DYNETICS INC	312 B	GENTEX CORP
104 B	E G & G INC	450 B	GEODYNAMICS CORP
51 B	E S L INC	256 N	GEORGE WASHINGTON UNIVERSITY
124 B	E SYSTEMS INC	368 N	GEORGETOWN UNIVERSITY
444 B	EAGLE TECHNOLOGY INC	154 N	GEORGIA INSTITUTE TECH
414 B	EASTMAN KODAK CO	72 N	GEORGIA TECH RESEARCH INSTITUTE
194 B	EATON CORP	451 B	GIBBS & COX INC
120 B	EATON CUTLER HAMMER	54 B	GLOBAL ASSOCIATES
455 B	EDMAC ASSOCIATES INC	352 B	GLOBAL MARINE DEVELOPMENT INC
131 B	EDO CORP	95 B	GOODYEAR AEROSPACE CORP
464 B	EDUCATIONAL COMPUTER CORP	106 B	GOULD INC
272 B	EFFECTS TECHNOLOGY INC	35 B	GRUMMAN AEROSPACE CORP
282 B	ELECTRO SPACE SYSTEMS INC	434 B	GRUMMAN CORP
181 B	ELECTRONIC WARFARE ASSOCIATES	327 B	H I T C O
205 B	ELECTROSPACE SYSTEMS INC	146 B	H R B SINGER INC
80 B	EMERSON ELECTRIC CO	117 B	HANSON R A CO INC

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work: FY 1981  
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
31 B	HARRIS CORP	495 B	LOCKHEED ELECTRONICS CO INC
163 B	HARSCO CORP	11 B	LOCKHEED MISSILES & SPACE CO INC
242 N	HARVARD UNIVERSITY	245 B	LOCKHEED SHIPBUILDING CONSTRUCTION
284 N	HAWAII UNIVERSITY OF	393 B	LOCUS INC
61 B	HAZELTINE CORP	64 B	LOGICON INC
83 B	HENNINGSTON DURHAM RICHARDSON	127 B	LORAL CORP
34 B	HERCULES INC	420 N	LOUISIANA STATE UNIVERSITY OF
12 B	HONEYWELL INC	423 B	M & S COMPUTING INC
290 B	HORIZONS TECHNOLOGY INC	496 B	MAC AULAY BROWN INC
4 B	HUGHES AIRCRAFT CO	158 B	MAGNAVOX ADVANCED PROD & SYS CO
330 B	HUGHES RESEARCH LABORATORIES	59 B	MAGNAVOX CO
215 N	HUMAN RESOURCES RESEARCH ORGN	46 B	MAGNAVOX GOVT & INDUSTRIAL ELEC CO
223 B	HYCOR INC	251 B	MAN TECH CORP
447 B	HYDROACOUSTICS INC	239 B	MANTECH INTERNATIONAL CORP
500 B	I L C DOVER	491 B	MAR INC
457 B	I M R SYSTEMS CORP	191 F	MARCONI CO LTD
192 B	I R T CORP	463 B	MARINETTE MARINE CORP
67 B	I T T & WESTINGHOUSE JV	218 B	MARQUARDT CO
141 B	I T T GILFILLAN INC	339 B	MARTIN & STERN INC
48 N	ILLINOIS INSTITUTE TECHNOLOGY	1 B	MARTIN MARIETTA CORP
144 N	ILLINOIS UNIVERSITY OF	138 N	MARYLAND UNIVERSITY OF
88 N	INSTITUTE FOR DEFENSE ANALYSIS	15 N	MASSACHUSETTS INSTITUTE TECHNOLOGY
384 B	INTER SYSTEMS INC	326 N	MASSACHUSETTS UNIVERSITY OF
220 B	INTERMETRICS INC	269 B	MATHEMATICAL SCIENCE NORTHWEST INC
14 B	INTERNATIONAL BUSINESS MACHINE CO	317 F	MATRA CO
342 B	INTERNATIONAL COMPUTING CO	99 B	MAXWELL LABORATORIES INC
488 B	INTERNATIONAL HARVESTER CO	69 B	MCDONNELL DOUGLAS CORP
305 B	INTERNATIONAL LASER SYSTEMS INC	439 B	MCFANN GRAY & ASSOCIATES
27 B	INTERNATIONAL TELEPHONE & TEL CORP	283 B	MCMULLEN JOHN J ASSOCIATES INC
143 B	INTERSTATE ELECTRONICS CORP	415 B	MEASUREMENT CONCEPT CORP
374 N	IOWA UNIVERSITY OF	233 N	MIAMI UNIVERSITY OF
122 B	ITEK CORP	458 N	MICHIGAN STATE UNIVERSITY
422 B	J R B ASSOCIATES INC	482 N	MICHIGAN TECHNOLOGICAL UNIVERSITY
118 B	JAYCOR	199 N	MICHIGAN UNIVERSITY OF
13 N	JOHNS HOPKINS UNIVERSITY	438 B	MICROELECTRONICS ENGINEERING CORP
265 B	K D I PRECISION PRODUCTS INC	441 B	MICROWAVE ASSOCIATES INC
111 B	KAMAN SCIENCES CORP	449 B	MINE SAFETY APPLIANCES CO
52 B	KENTRON HAWAII LTD	277 N	MINNESOTA UNIVERSITY OF
487 B	KERNCO ONC	113 B	MISSION RESEARCH CORP
225 B	KETRON INC	416 N	MISSOURI UNIVERSITY OF
462 B	KTECH CORP	21 N	MITRE CORP
429 B	KURAS ALTERMAN CORP	37 B	MOTOROLA INC
178 B	LEAR SIEGLER INC	142 N	NATIONAL ACADEMY OF SCIENCES
399 N	LEHIGH UNIVERSITY	476 N	NATIONAL SCIENCE FOUNDATION
262 B	LIBRA TECHNOLOGY	390 B	NETWORK ANALYSIS CORP
175 B	LINKABIT CORP	285 N	NEW MEXICO INSTITUTE MINING & TECH
145 B	LITTLE ARTHUR D INC	186 N	NEW MEXICO STATE UNIVERSITY
478 B	LITTON INDUSTRIES INC	140 N	NEW MEXICO UNIVERSITY OF
38 B	LITTON SYSTEMS INC	485 B	NEW TECHNOLOGY INC
26 B	LOCKHEED CORP	292 N	NEW YORK POLYTECHNIC INSTITUTE

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work: FY 1981  
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
295 N	NEW YORK STATE UNIV RESEARCH FOUND	236 N	PRINCETON UNIVERSITY
392 N	NEW YORK UNIVERSITY	296 B	PROTOTYPE DEVELOPMENT INC
168 B	NEWPORT NEWS SHIPBLD & DRY DOCK CO	278 N	PURDUE RESEARCH FOUNDATION
188 B	NICHOLS RESEARCH CORP	210 B	QUEST RESEARCH CORP
419 B	NIELSEN ENGINEERING & RESEARCH CO	381 B	QUESTRON CORP
96 B	NORDEN SYSTEMS INC	65 B	R & D ASSOCIATES
456 B	NORTH AMERICAN PHILIPS CORP	16 B	R C A CORP
380 N	NORTH CAROLINA STATE UNIVERSITY	461 B	RADIAN CORP
460 N	NORTH CAROLINA UNIVERSITY OF	398 B	RAIL CO INC
328 N	NORTHEASTERN UNIVERSITY	68 N	RAND CORP
22 B	NORTHROP CORP	90 F	RAUFOSS AMMUNISJONSFABRIKKER
248 N	NORTHWESTERN UNIVERSITY	334 B	RAYCOMM INDUSTRIES INC
481 B	NUCLEAR METALS INC	19 B	RAYTHEON CO
246 B	O A O CORP	279 N	RENSSELAER POLYTECHNIC INSTITUTE
126 B	O R I INC	370 B	RESEL ENGINEERING CORP
376 B	OCEAN DATA SYSTEMS INC	351 N	RESEARCH TRIANGLE INSTITUTE
475 B	OCEAN TECHNOLOGY INC	299 N	RHODE ISLAND UNIVERSITY OF
201 N	OHIO STATE UNIV RESERCH FOUNDATION	221 N	RIVERSIDE RESEARCH INSTITUTE
389 N	OHIO STATE UNIVERSITY THE	86 N	ROCHESTER UNIVERSITY OF
263 N	OKLAHOMA STATE UNIVERSITY OF	3 B	ROCKWELL INTERNATIONAL CORP
388 B	OPTI METRICS INC	320 B	ROME RESEARCH CORP
207 N	OREGON STATE UNIVERSITY	454 B	ROSENBLATT M SON INC
396 B	ORINCON CORP	176 F	ROYAL NORWEGIAN NAV MAT COMM
379 B	ORLANDO TECHNOLOGY INC	372 B	S C I SYSTEMS INC
483 B	P E SYSTEMS INC	53 N	S R I INTERNATIONAL
198 B	PACCAR INC	405 B	SACHS FREEMAN ASSOCIATES INC
308 B	PACER SYSTEMS INC	403 N	SALK INSTITUTE THE
489 B	PACIFIC ANALYSIS CORP	50 B	SANDERS ASSOCIATES INC
214 B	PACIFIC SIERRA RESEARCH CORP	200 B	SANDERS ASSOCS & NORTHROP CORP JV
358 B	PACIFICA TECHNOLOGY	244 B	SANTA BARBARA RESEARCH CENTER
313 N	PALISADES GEOPHYSICAL INSTITUTE	402 B	SANTA FE CORP
486 N	PALISADES INSTITUTE	216 B	SCHAFFER W J ASSOCIATES INC
105 B	PARSONS RALPH M CO INC	42 B	SCIENCE APPLICATIONS INC
157 B	PATTERN ANALYSIS & RECOGNITION CO	431 B	SCIENTIFIC TECH ASSOCIATES INC
87 N	PENNSYLVANIA STATE UNIVERSITY	394 B	SCIPAR INC
155 N	PENNSYLVANIA UNIVERSITY OF	196 B	SCOTT AVIATION SIERRA PRODUCTS INC
264 B	PERCEPTRONICS INC	249 B	SEMCOR INC
123 B	PERKIN ELMER CORP	471 B	SHARP GEORGE G INC
410 B	PETERSON BUILDERS INC	498 B	SIERRA GEOPHYSICS INC
324 B	PHYSICAL SCIENCES CORP	369 B	SIERRA RESEARCH CORP
413 B	PHYSICS APPLICATIONS INC	240 B	SIGNATRON INC
101 B	PHYSICS INTERNATIONAL CO	41 B	SINGER CO
151 B	PIPER AIRCRAFT CORP	103 B	SOFTech INC
287 N	PITTSBURGH UNIVERSITY OF	459 B	SONALYSTS INC
92 B	PLANNING RESEARCH CORP	258 B	SONICRAFT INC
230 B	PLANNING SYSTEMS INC	243 N	SOUTHEASTERN CTR ELECT ENGR EDUC
440 B	POLAR RESEARCH LABORATORY INC	97 N	SOUTHERN CALIFORNIA UNIVERSITY OF
477 B	POLARIS INC	318 N	SOUTHERN RESEARCH INSTITUTE
182 B	POTOMAC RESEARCH INC	167 N	SOUTHWEST RESEARCH INSTITUTE
235 B	PRESEARCH INC	275 B	SPACE DATA CORP

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work: FY 1981  
(Continued)**

<b>RANK + LIST *</b>	<b>CONTRACTOR</b>	<b>RANK + LIST *</b>	<b>CONTRACTOR</b>
274 B	SPACE VECTOR CORP	29 B	TEXAS INSTRUMENTS INC
209 B	SPARTON CORP	304 N	TEXAS TECHNOLOGICAL COLLEGE
234 B	SPEARS ASSOCIATES INC	78 N	TEXAS UNIVERSITY OF
412 B	SPECTRA RESEARCH SYSTEMS INC	39 B	TEXTRON INC
443 B	SPECTRAL DYNAMICS CORP	28 B	THIokol CORP
33 B	SPERRY CORP	108 B	TRACOR INC
436 B	SPIRE CORP	300 B	TRACOR MARINE INC
197 B	STANFORD TELECOMMUNICATIONS INC	268 B	TRIAD MICROSYSTEMS INC
74 N	STANFORD UNIVERSITY	280 B	ULTRASYSTEMS INC
172 B	STEARNS ROGER INC	365 B	UNIFIED INDUSTRIES INC
160 B	STENCEL AERO ENGINEERING CORP	237 F	UNITED KINGDOM MINISTRY OF DEFENCE
494 B	STERLING SYSTEMS INC	206 B	UNITED SPACE BOOSTERS INC
311 N	STEVENS INSTITUTE OF TECHNOLOGY	228 N	UNITED STATES COMMERCE DEPT
307 B	SUERDRUP TECHNOLOGY INC	76 N	UNITED STATES NATL AERO SPACE AGY
23 B	SUMMA CORP	8 B	UNITED TECHNOLOGIES CORP
310 B	SUMMIT RESEARCH CORP	297 B	UNIVERSAL ENERGY SYSTEMS INC
411 B	SUPPORT SYSTEMS ASSOCIATES INC	121 N	UTAH STATE UNIVERSITY
55 B	SVERDRUP TECHNOLOGY INC	316 N	UTAH UNIVERSITY OF
273 B	SYNECTICS CORP	219 B	V S E CORP
257 B	SYNOPTIC SYSTEMS CORP	397 B	VALIDITY CORP
335 N	SYRACUSE RESEARCH CORP	133 B	VARIAN ASSOCIATES
325 N	SYRACUSE UNIVERSITY	344 B	VARO INC
490 N	SYRACUSE UNIVERSITY RESEARCH CORP	173 B	VECTOR RESEARCH INC
75 B	SYSTEM DEVELOPMENT CORP	338 B	VEDA INC
115 B	SYSTEM PLANNING CORP	349 B	VERAC INC
267 B	SYSTEMATICS GENERAL CORP	259 N	VIRGINIA POLYTECHNIC INSTITUTE
70 B	SYSTEMS & APPLIED SCIENCES CORP	362 N	VIRGINIA UNIVERSITY OF
302 B	SYSTEMS ARCHITECTS INC	363 B	VISIDYNE INC
164 B	SYSTEMS CONSULTANTS INC	18 B	VOUGHT CORP
165 B	SYSTEMS CONTROL INC	474 B	VREDENBURG R M & CO
332 B	SYSTEMS ENGINEERING LABORATORIES	323 B	WAGNER DANIEL H ASSOCIATES INC
375 B	SYSTEMS PLANNING & ANALYSIS INC	343 B	WASHINGTON PATROL SERVICE INC
91 B	SYSTEMS RESEARCH LABORATORIES INC	442 N	WASHINGTON STATE UNIVERSITY
150 B	SYSTEMS SCIENCE & SOFTWARE	418 N	WASHINGTON UNIVERSITY
493 B	SYSTRAN CORP	94 N	WASHINGTON UNIVERSITY OF
189 B	T A D COMMUNICATIONS CO	437 B	WATKINS JOHNSON CO
7 B	T R W INC	281 B	WEIDLINGER ASSOCIATES CONSULT ENGR
270 B	TECHNITROL INC	321 N	WENTWORTH INSTITUTE
499 B	TECHNOLOGY DEVELOPMENT CORP CALIF	63 B	WESTERN ELECTRIC CO INC
350 B	TECHNOLOGY INC	17 B	WESTINGHOUSE ELECTRIC CORP
153 B	TECHNOLOGY SERVICE CORP	204 B	WHITTAKER CORP
84 B	TELEDYNE BROWN ENGINEERING	36 B	WILLIAMS INTERNATIONAL CORP
217 B	TELEDYNE C A E	185 N	WISCONSIN UNIVERSITY OF
336 B	TELEDYNE GEOTECH	132 N	WOODS HOLE OCEANOGRAPHIC INST
432 B	TELEDYNE INC	238 B	XEROX CORP
44 B	TELEDYNE INDUSTRIES INC	134 B	XEROX ELECTRO OPTICAL SYSTEMS INC
357 B	TELEPHONICS	386 B	XETRON CORP
407 N	TENNESSEE UNIVERSITY OF	340 B	XONICS INC
183 B	TETRA TECH INC	453 B	XYBION CORP
226 N	TEXAS A & M RESEARCH FOUNDATION	231 N	YALE UNIVERSITY

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	MARTIN MARIETTA CORP VANDENBERG AFB CALIFORNIA DENVER COLORADO WATERTON COLORADO ORLANDO FLORIDA BALTIMORE MARYLAND WAKEFIELD MASS	844,251 * 69,470 399,762 12,924 353,744 423 7,928		GENERAL ELECTRIC CO CINCINNATI OHIO EVENDALE OHIO ERIE PA KING OF PRUSSIA PA PHILADELPHIA PA VALLEY FORGE PA BURLINGTON VERMONT ARLINGTON VIRGINIA	91,559 16,290 170 68,134 32,415 852 22,180 847
2	BOEING CO  HUNTSVILLE GERMANY VANDENBERG AFB ALABAMA WICHITA KANSAS KIRTLAND AFB NEW MEXICO GREENVILLE TEXAS HOUSTON TEXAS EVERETT WASHINGTON KENT WASHINGTON SEATTLE WASHINGTON TUKWILA WASHINGTON	646,674 *  7,290 3,923 174 72,965 17 87,784 53 256 256,246 215,030 3,284	6	GENERAL DYNAMICS CORP YUMA ARIZONA POMONA CALIFORNIA PORT HUENEME CALIFORNIA SAN DIEGO CALIFORNIA VANDENBERG AFB CALIFORNIA GROTON CONN QUINCY MASS NELLIS AFB NEVADA KIRTLAND AFB NEW MEXICO FORT WORTH TEXAS	345,386 * 400 108,890 1,227 145,919 27,914 27,052 132 815 2,870 30,161
3	ROCKWELL INTERNATIONAL CORP ANAHEIM CALIFORNIA CANOGA PARK CALIFORNIA DOWNEY CALIFORNIA EL SEGUNDO CALIFORNIA LOS ANGELES CALIFORNIA NEWPORT BEACH CALIFORNIA SEAL BEACH CALIFORNIA THOUSAND OAKS CALIFORNIA VANDENBERG AFB CALIFORNIA CEDAR RAPIDS IOWA PATUXENT RIVER MARYLAND KIRTLAND AFB NEW MEXICO COLUMBUS OHIO DAYTON OHIO WRIGHT PATTERS OHIO DALLAS TEXAS EL PASO TEXAS RICHARDSON TEXAS	605,937 * 191,201 139,034 51,677 2,005 59,407 11,682 61,079 8,041 5,255 42,182 23 50 27,781 54 94 2,754 22 3,626	7	T R W INC HUNTSVILLE ALABAMA NEWBURY PARK CALIFORNIA NORTON AFB CALIFORNIA REDONDO BEACH CALIFORNIA SAN DIEGO CALIFORNIA SAN JUAN CAPIS CALIFORNIA EGLIN AFB FLORIDA CLEVELAND OHIO DAYTON OHIO PHILADELPHIA PA FORT HOOD TEXAS LANGLEY AFB VIRGINIA MCLEAN VIRGINIA	276,158 * 2,202 957 62,741 161,428 60 1,559 29 1,469 42 15 150 111 25,395
4	HUGHES AIRCRAFT CO TUCSON ARIZONA CANOGA PARK CALIFORNIA CARLSBAD CALIFORNIA CULVER CITY CALIFORNIA EL SEGUNDO CALIFORNIA FULLERTON CALIFORNIA IRVINE CALIFORNIA LOS ANGELES CALIFORNIA MALIBU CALIFORNIA NEWPORT BEACH CALIFORNIA TORRANCE CALIFORNIA SOUTH BOULDER COLORADO	546,316 * 40,947 131,538 730 91,829 74,246 187,267 330 9,475 4,800 285 4,660 209	8	UNITED TECHNOLOGIES CORP FORT RUCKER ALABAMA COYOTE CALIFORNIA SUNNYVALE CALIFORNIA EAST HARTFORD CONN HARTFORD CONN NORFOLK CONN NORWALK CONN SOUTH WINDSOR CONN STRATFORD CONN WINDSOR LOCKS CONN WEST PALM BEACH FLORIDA KIRTLAND AFB NEW MEXICO MELVILLE NEW YORK FORT WASHINGTON PA FALLS CHURCH VIRGINIA	230,764 * 246 30 2,914 6,170 50 5,670 21,885 1,895 60,316 2,545 125,969 184 73 2,255 60
5	GENERAL ELECTRIC CO  HUNTSVILLE T T PAC IS WILLIAMS AFB ALABAMA SANTA BARBARA ARIZONA SUNNYVALE CALIFORNIA WASHINGTON DC ARCHER FLORIDA DAYTONA BEACH FLORIDA LANHAM MARYLAND BEDFORD MASS LYNN MASS PITTSFIELD MASS WEST LYNN MASS WILMINGTON MASS BINGHAMTON NEW YORK JOHNSON CITY NEW YORK SCHENECTADY NEW YORK SYRACUSE NEW YORK UTICA NEW YORK	471,233 *  721 475 2,838 2,579 315 399 36 10,036 42 2,048 40,784 8,980 32,320 750 2,610 3,305 65,318 36,874 26,356	9	BOEING AEROSPACE CO HUNTSVILLE ALABAMA SUNNYVALE CALIFORNIA HOUSTON TEXAS KENT WASHINGTON SEATTLE WASHINGTON	200,722 * 188 150 29 1,860 98,495
			11	LOCKHEED MISSILES & SPACE CO INC HUNTSVILLE ALABAMA PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA ALBUQUERQUE NEW MEXICO	196,194 * 2,923 17,261 75,900 110
			12	HONEYWELL INC  CHINA LAKE FRANCE SAN DIEGO CALIFORNIA WEST COVINA CALIFORNIA DENVER COLORADO CLEARWATER FLORIDA ST PETERSBURG FLORIDA	191,523 640 55 98 308 114 2,193 34,852

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS



**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
	RAYTHEON CO			RAYTHEON CO	
	ARLINGTON			ARLINGTON	1,114
	FLORIDA	102		VIRGINIA	
	ANNAPOLIS	814	20	G T E SYLVANIA INC	137,815 *
	LEXINGTON	12,485		GERMANY	650
	ELMONT	1,955		T T PAC IS	8,404
	ROCKFORD	17,036		ANAHEIM	184
	MINNEAPOLIS	16,735		LOS ANGELES	1,107
	NEW BRITAIN	27,543		MOUNTAIN VIEW	22,330
	PLYMOUTH	40		MATTHEW TN	500
	ST LOUIS PARK	5,583		NEEDHAM	2,436
	EATONTOWN	185		NEEDHAM HEIGHT	101,825
	NEW SHREWSBURY	694		WHITE SANDS MS	221
	HORSHAM	703		CLAM LAKE	158
	SEATTLE	8,105		WISCONSIN	
14	INTERNATIONAL BUSINESS MACHINE CO	171,341 *	22	NORTHROP CORP	126,405 *
	GERMANY	26		HUNTSVILLE	215
	SAN JOSE	372		ANAHEIM	2,324
	WESTLAKE VILLA	4,851		HAWTHORNE	102,762
	EGLIN AFB	1,020		LOS ANGELES	20
	GAITHERSBURG	53,885		LEWISBURG PARK	1,000
	OWEGO	61,594		PALOS VERDES E	2,003
	YORK TOWN HGTS	3,710		DES PLAINES	357
	HOUSTON	1,190		ROLLING MEADOW	3,171
	ARLINGTON	4,240		NORWOOD	14,331
	MANASSAS	40,505		ARLINGTON	222
16	R C A CORP	163,045 *	23	SUMMA CORP	119,750 *
	BURLINGTON	13,335		CULVER CITY	119,750
	CAMDEN	29,898	24	AVCO CORP	118,864 *
	CHERRY HILL	24,126		STRATFORD	5,500
	HIGHTSTOWN	745		EVERETT	1,690
	MOORESTOWN	384		LOWELL	364
	PRINCETON	84,508		WILMINGTON	111,310
	SOMERVILLE	4,761	25	AEROJET GENERAL CORP	101,921 *
	WHITE SANDS MS	221		AZUSA	22,784
	ROME	147		DOWNEY	6,491
	WRIGHT PATTERS	18		FULLERTON	908
	LANCASTER	120		NIMBUS	660
	SPRINGFIELD	109		SACRAMENTO	70,673
		4,709		PANAMA CITY	405
17	WESTINGHOUSE ELECTRIC CORP	160,602 *	26	LOCKHEED CORP	95,859 *
	SUNNYVALE	9,531		BURBANK	34,772
	ANNAPOLIS	3,017		ONTARIO	414
	BALTIMORE	64,176		PALO ALTO	75
	HUNT VALLEY	11,241		SUNNYVALE	45,115
	LIMA	164		MARIETTA	14,913
	ORRVILLE	52		PLAINFIELD	570
	WRIGHT PATTERS	625	27	INTERNATIONAL TELEPHONE & TEL CORP	92,117 *
	CHESWICK	413		VAN NUYS	2,835
	LARGE	152		FORT WAYNE	7,861
	PITTSBURGH	68,651		NUTLEY	79,997
	WARMINSTER	80		ROANOKE	1,724
	WEST MIFFLIN	2,500	28	THICKOL CORP	92,060 *
18	VOUGHT CORP	159,913 *		HUNTSVILLE	1,415
	DALLAS	159,998		ELKTON	1,276
	GRAND PRAIRIE	65		BRIGHAM CITY	89,369
19	RAYTHEON CO	158,105 *	29	TEXAS INSTRUMENTS INC	74,863 *
	HUNTSVILLE	321		RIDGECREST	274
	GOLETA	9,314		AUSTIN	45
	ANDOVER	4,801		DALLAS	24,030
	BEDFORD	56,622		LEWISVILLE	98,574
	LEXINGTON	507	30	AUTOMATION INDUSTRIES INC	69,268 *
	LOWELL	1,172		NEW LONDON	75
	NORTHBORO	19		EGLIN AFB	22,040
	SUDBURY	20,705		ORLANDO	16
	WALTHAM	2,889		SILVER SPRING	46,801
	WAYLAND	42,186		NORFOLK	836
	EAST PROVIDENC	14			
	PORTSMOUTH	18,441			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
31	HARRIS CORP		67,827 *		TEXTRON INC		
	FORT WALTON BE	UN KINGDOM	11		WHEATFLD	NEW YORK	3,422
	MELBOURNE	FLORIDA	1,065		FORT WORTH	TEXAS	34,593
	PALM BAY	FLORIDA	20,871		HURST	TEXAS	100
	ROCHESTER	NEW YORK	45,198	40	F M I CORP		54,567 *
			682		SAN JOSE	CALIFORNIA	51,067
32	CHRYSLER DEFENSE INC		67,389 *		SANTA CLARA	CALIFORNIA	1,221
	CULVER CITY	CALIFORNIA	5,516		MINNEAPOLIS	MINNESOTA	2,279
	EL SEGUNDO	CALIFORNIA	3,947	41	SINGR CO		53,038 *
	CENTER LINE	MICHIGAN	24,830		LUKE AFB	ARIZONA	1,095
	STERLING HEIGHTS	MICHIGAN	31,779		WILLIAMS AFB	ARIZONA	1,344
	WARREN	MICHIGAN	1,317		GLENDLE	CALIFORNIA	17,718
33	SPERRY CORP		66,995 *		SAN DIEGO	CALIFORNIA	151
	HUNTSVILLE	ALABAMA	2,019		SUNNYVALE	CALIFORNIA	247
	PHOENIX	ARIZONA	3,515		SHREVEPORT	LOUISIANA	49
	SAN DIEGO	CALIFORNIA	2,895		WILSON SPRING	MARYLAND	2,359
	VALLEJO	CALIFORNIA	761		WILMINGTON FALLS	NEW JERSEY	19,151
	CLEARWATER	FLORIDA	2,364		WAYNE	NEW JERSEY	1,329
	SUDBURY	MASS	1,002		WASHINGTON	NEW YORK	8,394
	MINNEAPOLIS	MINNESOTA	4		STATE COLLEGE	PA	1,201
	ST PAUL	MINNESOTA	24*	42	INTELLIGENCE APPLICATIONS INC		51,873 *
	ALBUQUERQUE	NEW MEXICO	24		HUNTSVILLE	ALABAMA	3,702
	WHITE SANDS MS	NEW MEXICO	1,041		PHOENIX	ARIZONA	18-
	GREAT NECK	NEW YORK	12,101		EL SEGUNDO	CALIFORNIA	1,189
	SOUTHAMPTON	PA	1,812		WAYNE	CALIFORNIA	607
	WARMINSTER	PA	1,861		ALBUQUERQUE	CALIFORNIA	17,963
	CHARLOTTESVILLE	VIRGINIA	540		LOS ANGELES	CALIFORNIA	46
	DAHLGREN	VIRGINIA	2,313		PALMDALE	CALIFORNIA	30
	FAIRFAX	VIRGINIA	1,019		PLEASANTON	CALIFORNIA	35
	RESTON	VIRGINIA	4,223		SAN DIEGO	CALIFORNIA	4,427
34	HERCULES INC		65,087 *		SANTA ANA	CALIFORNIA	124
	WILMINGTON	DELAWARE	14		COLORADO SPRGS	COLORADO	152
	EGLIN AFB	FLORIDA	346		ENGLEWOOD	COLORADO	120
	MCGREGOR	TEXAS	1,759		WASHINGTON	DC	30
	BACCHUS	UTAH	134		FORT WALTON BE	FLORIDA	758
	MAGNA	UTAH	59,389		ORLANDO	FLORIDA	846
	ROCKET CENTER	WVA	3,445		PALM BEACH GARDEN	FLORIDA	489
35	GRUMMAN AEROSPACE CORP		64,555 *		STUART	FLORIDA	48
	SAN DIEGO	CALIFORNIA	100		ATLANTA	GEORGIA	698
	WHITE SANDS MS	NEW MEXICO	32		BETHESDA	MARYLAND	20
	BETHPAGE	NEW YORK	64,423		EDGEWOOD	MARYLAND	26
36	WILLIAMS INTERNATIONAL CORP		61,576 *		BEDFORD	MASS	88
	WALLED LAKE	MICHIGAN	61,576		LAS VEGAS	NEVADA	62
37	MOTOROLA INC		61,563 *		MERCURY	NEVADA	30
	PHOENIX	ARIZONA	99		HANOVER	NH	50
	SCOTTSDALE	ARIZONA	31,561		PRINCETON	NEW JERSEY	60
	TEMPE	ARIZONA	29,903		ALBUQUERQUE	NEW MEXICO	881
38	LITTON SYSTEMS INC		58,901 *		DAYTON	OHIO	189
	CANOGA PARK	CALIFORNIA	189		WRIGHT PATTERNS	OHIO	1,568
	SAN CARLOS	CALIFORNIA	708		WAYNE	PA	546
	SUNNYVALE	CALIFORNIA	523		OAK RIDGE	TENNESSEE	19
	VAN NUYS	CALIFORNIA	44,296		ARLINGTON	VIRGINIA	967
	WOODLAND HILLS	CALIFORNIA	6,256		MCLEAN	VIRGINIA	16,081
	COLLEGE PARK	MARYLAND	1,333		NORFOLK	VIRGINIA	40
	PASCOGOULA	MISS	364	44	TELEDYNE INDUSTRIES INC		45,560 *
	MORRIS PLAINS	NEW JERSEY	202		NORTHBRIDGE	CALIFORNIA	380
	MELVILLE	NEW YORK	5,030		SAN DIEGO	CALIFORNIA	32,296
39	TEXTRON INC		56,387 *		MUSKEGON	MICHIGAN	4,787
	TUCSON	ARIZONA	2,630		WHITE SANDS MS	NEW MEXICO	1,292
	YUMA	ARIZONA	2,048		TOLEDO	OHIO	5,293
	BELMONT	CALIFORNIA	254		GARLAND	TEXAS	857
	VALENCIA	CALIFORNIA	180		ALEXANDRIA	VIRGINIA	655
	CHESHIRE	CONN	125	45	CALSPAN CORP		44,356 *
	EGLIN AFB	FLORIDA	1,214		EDWARDS AFB	CALIFORNIA	914
	PANAMA CITY	FLORIDA	5,300		WHITE SANDS MS	NEW MEXICO	1,117
	NEW ORLEANS	LOUISIANA	1,206		BUFFALO	NEW YORK	13,060
	BUFFALO	NEW YORK	5,315		DAYTON	OHIO	341
					WRIGHT PATTERNS	OHIO	3,967
					ARNOLD EDC	TENNESSEE	25,057

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S = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
46	MAGNAVOX GOVT & INDUSTRIAL ELEC CO TORRANCE CALIFORNIA FORT WAYNE INDIANA MAHWAH NEW JERSEY MONTVALE NEW JERSEY FALLS CHURCH VIRGINIA	38,979 * 31,223 4,459 2,202 50 1,045	60	AMEX SYSTEMS INC HAWTHORNE CALIFORNIA SAN DIEGO CALIFORNIA	S 27,083 * 72 27,011
47	B D M CORP HUNTSVILLE ALABAMA WASHINGTON DC NELLIS AFB NEVADA ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO WHITE SANDS MS NEW MEXICO WRIGHT PATTERS OHIO FORT LEE VIRGINIA MCLEAN VIRGINIA NORFOLK VIRGINIA	36,635 * 1,406 11 2,171 6,586 2,599 681 201 72 20,522 2,386	61	HAZELTINE CORP BRAINTREE MASS GREENLAWN NEW YORK LONG ISLAND CI NEW YORK	26,934 * 2,029 24,482 423
49	A A I CORP BALTIMORE MARYLAND COCKEYSVILLE MARYLAND	35,143 * 2,115 33,028	62	FORD AEROSPACE & COMMUNICATIONS IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA COLORADO SPGS COLORADO	26,909 * 136 12,925 9,031 4,592 225
50	SANDERS ASSOCIATES INC MANCHESTER NH MERRIMACK NH NASHUA NH	34,897 * 267 7,695 26,935	63	WESTERN ELECTRIC CO INC WHIPPANY NEW JERSEY GREENSBORO NCAR WINSTON SALEM NCAR	23,427 * 14,286 7,391 1,750
51	E S L INC GERMANY KOREA SUNNYVALE CALIFORNIA	34,355 * 5 16 34,334	64	LOGICON INC SAN DIEGO CALIFORNIA SAN PEDRO CALIFORNIA VALLEJO CALIFORNIA LANHAM MARYLAND HANSCOM AFB MASS LEXINGTON MASS WRIGHT PATTERS OHIO	22,675 * 2,968 13,321 536 955 143 1,063 3,689
52	KENTRON HAWAII LTD EDWARDS AFB CALIFORNIA HILL AFB UTAH	33,678 * 22,976 10,717 15-	65	R & D ASSOCIATES LOS ANGELES CALIFORNIA MARINA DEL REY CALIFORNIA KIRTLAND AFB NEW MEXICO ARLINGTON VIRGINIA	S 21,508 * 322 15,911 2,494 2,781
54	GLOBAL ASSOCIATES T T PAC IS	32,933 * 32,933	66	BENDIX CORP NORTH HOLLYWOOD CALIFORNIA SYLMAR CALIFORNIA DAVENPORT IOWA BALTIMORE MARYLAND TOWSON MARYLAND ANN ARBOR MICHIGAN OAK PARK MICHIGAN EATONTOWN NEW JERSEY SPRING LAKE HT NEW JERSEY TETERBORO NEW JERSEY	21,112 * 5,020 194 799 8,587 3,903 264 98 92 701 1,454
55	SVERDRUP TECHNOLOGY INC ARNOLD EDC TENNESSEE	33,444 * 30,444	67	I T T & WESTINGHOUSE JV NUTLEY NEW JERSEY	20,790 * 20,790
56	COMPUTER SCIENCES CORP HUNTSVILLE ALABAMA LOMPOC CALIFORNIA POINT MUGU CALIFORNIA REDONDO BEACH CALIFORNIA SAN DIEGO CALIFORNIA FORT WALTON BE FLORIDA ORLANDO FLORIDA BEDFORD MASS FORT MONMOUTH NEW JERSEY MOORESTOWN NEW JERSEY ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO FALLS CHURCH VIRGINIA	30,329 * 3,957 2,210 40 1,936 2,219 12 550 155 2,577 7,793 765 194 7,921	69	MCDONNELL DOUGLAS CORP HUNTINGTON BEA CALIFORNIA LONG BEACH CALIFORNIA ST LOUIS PARK MINNESOTA BERKELEY MISSOURI ST CHARLES MISSOURI ST LOUIS MISSOURI KIRTLAND AFB NEW MEXICO	19,899 * 98,538 952 38 407 1,238 81,544 270
58	GENERAL MOTORS CORP GOLETA CALIFORNIA INDIANAPOLIS INDIANA SPEEDWAY INDIANA OAK CREEK WISCONSIN	27,885 * 6,707 21,011 132 35	70	SYSTEMS & APPLIED SCIENCES CORP HUNTSVILLE ALABAMA ANAHEIM CALIFORNIA RIVERDALE MARYLAND HANSCOM AFB MASS LEXINGTON MASS DAYTON OHIO WRIGHT PATTERS OHIO	S 19,722 * 87 1,280 17,135 736 80 319 85
59	MAGNAVOX CO TORRANCE CALIFORNIA FORT WAYNE INDIANA MAHWAH NEW JERSEY PHILADELPHIA PA	27,760 * 28 27,637 25 70	71	G T E PRODUCTS CORP MOUNTAIN VIEW T T PAC IS DANVERS CALIFORNIA NEEDHAM MASS NEEDHAM MASS NEEDHAM HEIGHT MASS	19,353 * 2,698 2,885 170 8,075 5,525

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
73	FUGRO NATIONAL INC	CALIFORNIA	18,081 *	98	CONTROL DATA CORP	TEXAS	178 *
	LONG BEACH		18,081		SAN DIEGO	CALIFORNIA	855
75	SYSTEM DEVELOPMENT CORP		17,424 *		MINNEAPOLIS	MINNESOTA	699
	HUNTSVILLE	ALABAMA	4,084		FORT MONMOUTH	NEW JERSEY	346
	SANTA MONICA	CALIFORNIA	2,563		SHREWSBURY	NEW JERSEY	355
	SUNNYVALE	CALIFORNIA	6,019		FORT BELVOIR	VIRGINIA	20
	EATONTOWN	NEW JERSEY	462	99	MAXWELL LABORATORIES INC		513 *
	FORT MONMOUTH	NEW JERSEY	84		SAN DIEGO	CALIFORNIA	10,082
	WEST LONG BRAN	NEW JERSEY	210		KIRTLAND AFB	NEW MEXICO	431
	DAYTON	OHIO	686	100	BENDIX FIELD ENGINEERING CORP		495 *
	MCLEAN	VIRGINIA	3,316		WASHINGTON	DC	15
80	EMERSON ELECTRIC CO		16,118 *		COLUMBIA	MARYLAND	10,052
	ST LOUIS	MISSOURI	16,118		MERCURY	NEVADA	428
81	GENERAL RESEARCH CORP		16,015 *	101	PHYSICS INTERNATIONAL CO		123 *
	HUNTSVILLE	ALABAMA	2,839		SAN LEANDRO	CALIFORNIA	123
	SANTA BARBARA	CALIFORNIA	9,011	102	BUNKER RAMO CORP		1028 *
	WASHINGTON	DC	79		WESTLAKE VILLAGE	CALIFORNIA	8,856
	FORT WALTON BE	FLORIDA	2,538		GRIFFISS AFB	NEW YORK	1,822
	MCLEAN	VIRGINIA	1,548		LANGLEY AFB	VIRGINIA	350
82	DYNALECTRON CORP		15,219 *	103	SOFTECH INC		10,935 *
	ALBUQUERQUE	NEW MEXICO	478		WALTHAM	MASS	8,903
	HOLLOMAN AFB	NEW MEXICO	5,775		GRIFFISS AFB	NEW YORK	174
	KIRTLAND AFB	NEW MEXICO	8,635		DAYTON	OHIO	206
	WRIGHT PATTERS	OHIO	331		WRIGHT PATTERS	OHIO	1,652
83	HENNINGSTON DURHAM RICHARDSON		15,214 *	104	E G & G INC		10,898 *
	SANTA BARBARA	CALIFORNIA	15,214		ROCKVILLE	MARYLAND	6,817
84	TELEDYNE BROWN ENGINEERING		15,157 *		SALEM	MASS	333
	HUNTSVILLE	ALABAMA	14,713		WALTHAM	MASS	62
	COSTA MESA	CALIFORNIA	400		ALBUQUERQUE	NEW MEXICO	526
	FORT WALTON BE	FLORIDA	44		KIRTLAND AFB	NEW MEXICO	107
85	FAIRCHILD INDUSTRIES INC		15,154 *		ARLINGTON	VIRGINIA	34
	EDWARDS AFB	CALIFORNIA	3,582		DAHLGREN	VIRGINIA	3,019
	VANDENBERG AFB	CALIFORNIA	225	105	PARSONS RALPH M CO INC		10,694 *
	GERMANTOWN	MARYLAND	1,601		PASADENA	CALIFORNIA	10,694
	FARMINGDALE	NEW YORK	9,646	106	GOULD INC		10,682 *
	SYOSSET	NEW YORK	100		EL MONTE	CALIFORNIA	84
89	ANALYTIC SCIENCES CORP		14,659 *		OXNARD	CALIFORNIA	20
	READING	MASS	14,142		ROLLING MEADOW	ILLINOIS	379
	ARLINGTON	VIRGINIA	423		GLEN BURNIE	MARYLAND	9,026
	MCLEAN	VIRGINIA	94		CLEVELAND	OHIO	266
91	SYSTEMS RESEARCH LABORATORIES INC		14,257 *		LANGHORNE	PA	907
	DAYTON	OHIO	3,424	107	CINCINNATI ELECTRONICS CORP		10,641 *
	WRIGHT PATTERS	OHIO	10,338		CINCINNATI	OHIO	10,641
	BROOKS AFB	TEXAS	345	108	TRACOR INC		10,520 *
	FALLS CHURCH	VIRGINIA	150		SAN DIEGO	CALIFORNIA	35
92	PLANNING RESEARCH CORP		13,708 *		ROCKVILLE	MARYLAND	4,666
	CAMP PENDLETON	CALIFORNIA	1,277		AUSTIN	TEXAS	5,819
	WASHINGTON	DC	53	109	COMMAND CONTROL & COMMUNICATION		10,497 *
	BEDFORD	MASS	831		LOMITA	CALIFORNIA	155
	OFFUTT AFB	NEBRASKA	4,613		TORRANCE	CALIFORNIA	10,342
	FORT MONMOUTH	NEW JERSEY	3,425	110	BOLT BERANEK & NEWMAN INC		10,403 *
	WRIGHT PATTERS	OHIO	830		CANOGA PARK	CALIFORNIA	45
	MCLEAN	VIRGINIA	2,679		SAN DIEGO	CALIFORNIA	237
95	GOODYEAR AEROSPACE CORP		12,754 *		CAMBRIDGE	MASS	8,830
	LITCHFIELD PAR	ARIZONA	5,735		WALTHAM	MASS	112
	AKRON	OHIO	6,969		ARLINGTON	VIRGINIA	1,179
	FORT BELVOIR	VIRGINIA	50				
96	NORDEN SYSTEMS INC		12,656 *				
	NORWALK	CONN	8,000				
	MELVILLE	NEW YORK	4,656				

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RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
111	KAMAN SCIENCES CORP		10,310 *	125	BRUNSWICK CORP		8,172 *
	SANTA BARBARA	CALIFORNIA	195		COSTA MESA	CALIFORNIA	4,132
	TWENTYNINE PAL	CALIFORNIA	134		DE LAND	FLORIDA	2,936
	COLORADO SPGS	COLORADO	8,281		LINCOLN	NEBRASKA	538
	BURLINGTON	MASS	1,670		WHITE SANDS MS	NEW MEXICO	65
	ARLINGTON	VIRGINIA	30		WILLARD	OHIO	53
112	AVCO EVERETT RESEARCH LABORATORY		10,121 *		MARION	VIRGINIA	448
	MAUI	HAWAII	2,541	126	O R I INC		S 8,168 *
	EVERETT	MASS	7,530		TORRANCE	CALIFORNIA	46
	SOMERVILLE	MASS	50		WASHINGTON	DC	257
113	MISSION RESEARCH CORP		S 10,080 *		SAINT INIGOEES	MARYLAND	70
	SAN DIEGO	CALIFORNIA	1,570		SILVER SPRING	MARYLAND	7,795
	SANTA BARBARA	CALIFORNIA	6,138	127	LORAL CORP		7,716 *
	COLORADO SPGS	COLORADO	174		BRONX	NEW YORK	74
	ALBUQUERQUE	NEW MEXICO	1,334		YONKERS	NEW YORK	7,642
	KIRTLAND AFB	NEW MEXICO	633	128	BOOZ ALLEN & HAMILTON INC		7,690 *
	ALEXANDRIA	VIRGINIA	231		BETHESDA	MARYLAND	3,852
114	AMERICAN HOME PRODUCTS CORP		10,000 *		HANSCOM AFB	MASS	1,834
	NEW YORK	NEW YORK	10,000		NEW SHREWSBURY	NEW JERSEY	1,726
115	SYSTEM PLANNING CORP		S 9,668 *		PHILADELPHIA	PA	278
	HUNTSVILLE	ALABAMA	30	129	ENSCO INC		S 7,635 *
	ARLINGTON	VIRGINIA	9,638		INDIAN HARBOUR	FLORIDA	2,105
116	ARES INC		S 9,389 *		ALEXANDRIA	VIRGINIA	175
	PORT CLINTON	OHIO	9,389		SPRINGFIELD	VIRGINIA	5,355
117	HANSON R A CO INC		S 9,384 *	130	ANALYTICAL SYSTEMS ENGR CORP		S 7,502 *
	SPOKANE	WASHINGTON	9,384		BEDFORD	MASS	3,183
118	JAYCOR		S 8,980 *		BURLINGTON	MASS	3,589
	DEL MAR	CALIFORNIA	4,941		HANSCOM AFB	MASS	51
	SAN DIEGO	CALIFORNIA	1,236		TINTON FALLS	NEW JERSEY	126
	SANTA BARBARA	CALIFORNIA	50		ARLINGTON	VIRGINIA	259
	BOSTON	MASS	50		FALLS CHURCH	VIRGINIA	294
	WOBURN	MASS	86	131	EDO CORP		7,437 *
	ALBUQUERQUE	NEW MEXICO	22		COLLEGE POINT	NEW YORK	7,437
	ALEXANDRIA	VIRGINIA	2,442	133	VARIAN ASSOCIATES		7,379 *
	MCLEAN	VIRGINIA	153		PALO ALTO	CALIFORNIA	5,193
119	GARRETT CORP		8,876 *		SAN CARLOS	CALIFORNIA	99
	PHOENIX	ARIZONA	6,494		CHEVERLY	MARYLAND	85
	LOS ANGELES	CALIFORNIA	16		BEVERLY	MASS	537
	TORRANCE	CALIFORNIA	2,293		GLOUCESTER	MASS	1,465
	BELMAR	NEW JERSEY	73	134	XEROX ELECTRO OPTICAL SYSTEMS INC		7,357 *
120	EATON CUTLER HAMMER		8,766 *		PASADENA	CALIFORNIA	7,357
	DEER PARK	NEW YORK	8,577	136	CURTISS WRIGHT CORP		7,246 *
	MELVILLE	NEW YORK	189		WOOD RIDGE	NEW JERSEY	7,246
122	ITEK CORP		8,498 *	139	CHRYSLER CORP		6,711 *
	SUNNYVALE	CALIFORNIA	1,266		HUNTSVILLE	ALABAMA	751
	LEXINGTON	MASS	7,232		NEW ORLEANS	LOUISIANA	221
123	PERKIN ELMER CORP		8,408 *		SLIDELL	LOUISIANA	15
	HAYWARD	CALIFORNIA	20		DETROIT	MICHIGAN	173
	POMONA	CALIFORNIA	183		STERLING HEIGHTS	MICHIGAN	5,693
	DANBURY	CONN	2,700		LITTLE FALLS	NEW JERSEY	142-
	NORWALK	CONN	265	141	I T T GILFILLAN INC		6,534 *
	RIDGEFIELD	CONN	152		SAN DIEGO	CALIFORNIA	105-
	WILTON	CONN	5,088		VAN NUYS	CALIFORNIA	6,639
124	E SYSTEMS INC		8,184 *	143	INTERSTATE ELECTRONICS CORP		6,180 *
	ST PETERSBURG	FLORIDA	4,256		ANAHEIM	CALIFORNIA	6,112
	GARLAND	TEXAS	340		WARMINSTER	PA	68
	OPPEVILLE	TEXAS	923	145	LITTLE ARTHUR D INC		6,148 *
	FURCH	VIRGINIA	2,665		CAMBRIDGE	MASS	6,148

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146	H R B SINGER INC		6,102 *	170	A M GENERAL CORP		4,404 *
	WRIGHT PATTERS	OHIO	104		DETROIT	MICHIGAN	4,404
	STATE COLLEGE	PA	5,998				
147	EX CELL O CORP		6,052 *	171	ANALYTICS INC		S 4,267 *
	WARREN	MICHIGAN	6,052		FORT WALTON BE	FLORIDA	81
149	BOEING VERTOL CO		5,988 *		BLOOMINGTON	INDIANA	105
	PHILADELPHIA	PA	3,590		NEW SHREWSBURY	NEW JERSEY	832
	RIDLEY	PA	72		TINTON FALLS	NEW JERSEY	35
	RIDLEY PARK	PA	2,230		WILLOW GROVE	PA	3,214
	FORT EUSTIS	VIRGINIA	96		MCLEAN	VIRGINIA	20
150	SYSTEMS SCIENCE & SOFTWARE	S	5,849 *	172	STEARNS ROGER INC		4,265 *
	LA JOLLA	CALIFORNIA	5,047		VANDENBERG AFB	CALIFORNIA	4,250
	SAN DIEGO	CALIFORNIA	675		CAPE CANAVERAL	FLORIDA	15
	ALBUQUERQUE	NEW MEXICO	102	173	VECTOR RESEARCH INC		S 4,257 *
	ALEXANDRIA	VIRGINIA	25		ANN ARBOR	MICHIGAN	4,257
151	PIPER AIRCRAFT CORP		5,800 *	174	GENERAL DEFENSE CORP		4,244 *
	LAKELAND	FLORIDA	5,800		WHARTON	NEW JERSEY	2,338
152	ARINC RESEARCH CORP		5,522 *		RED LION	PA	1,906
	SAN DIEGO	CALIFORNIA	3,050	175	LINKABIT CORP		S 4,244 *
	SANTA ANA	CALIFORNIA	1,822		SAN DIEGO	CALIFORNIA	4,244
	ANNAPOLIS	MARYLAND	650	177	DYNAMICS RESEARCH CORP		4,150 *
153	TECHNOLOGY SERVICE CORP		5,498 *		WILMINGTON	MASS	4,150
	SANTA MONICA	CALIFORNIA	4,125	178	LEAR SIEGLER INC		4,099 *
	SILVER SPRING	MARYLAND	1,373		EGLIN AFB	FLORIDA	1,226
157	PATTERN ANALYSIS & RECOGNITION CO	S	5,296 *		GRAND RAPIDS	MICHIGAN	2,789
	PETERSON AFB	COLORADO	850		MAPLE HEIGHTS	OHIO	84
	ROME	NEW YORK	4,446	180	ANALYSIS & TECHNOLOGY INC		S 4,079 *
158	MAGNAVOX ADVANCED PROD & SYS CO		5,269 *		STONINGTON	CONN	3,998
	TORRANCE	CALIFORNIA	5,269		NORFOLK	VIRGINIA	81
160	STENCER AERO ENGINEERING CORP		5,247 *	181	CUBIC CORP		4,078 *
	ARDEN	NCAR	393		SAN DIEGO	CALIFORNIA	4,078
	ASHEVILLE	NCAR	4,854	182	POTOMAC RESEARCH INC		S 4,078 *
161	ELECTRONIC WARFARE ASSOCIATES	S	5,231 *		WASHINGTON	DC	97
	MCLEAN	VIRGINIA	5,231		PANAMA CITY	FLORIDA	75
162	ATLANTIC RESEARCH CORP		5,230 *		BAILEYS CROSSR	VIRGINIA	344
	WHITE SANDS MS	NEW MEXICO	242		MCLEAN	VIRGINIA	3,562
	ROME	NEW YORK	52	183	TETRA TECH INC		4,063 *
	ALEXANDRIA	VIRGINIA	2,886		PASADENA	CALIFORNIA	1,212
	GAINESVILLE	VIRGINIA	2,050		SAN DIEGO	CALIFORNIA	2,121
163	HARSCO CORP		5,214 *		WASHINGTON	DC	190
	YORK	PA	5,214		ARLINGTON	VIRGINIA	540
164	SYSTEMS CONSULTANTS INC		5,085 *	184	CHAMBERLAIN MFG CORP		4,049 *
	SAN DIEGO	CALIFORNIA	4,232		WATERLOO	IOWA	4,049
	WASHINGTON	DC	680	188	NICHOLS RESEARCH CORP		S 3,878 *
	MIDDLETOWN	RI	173		HUNTSVILLE	ALABAMA	3,878
165	SYSTEMS CONTROL INC	S	5,036 *	189	T A D COMMUNICATIONS CO		3,875 *
	PALO ALTO	CALIFORNIA	5,036		NUTLEY	NEW JERSEY	3,875
166	B D M SERVICES CO		4,879 *	190	BETAC CORP		S 3,852 *
	MCLEAN	VIRGINIA	4,879		BURLINGTON	MASS	84
168	NEWPORT NEWS SHIPBLD & DRY DOCK CO		4,547 *		ARLINGTON	VIRGINIA	3,768
	NEWPORT NEWS	VIRGINIA	4,547	192	I R T CORP		S 3,847 *
169	COMPTON RESEARCH INC	S	4,422 *		SAN DIEGO	CALIFORNIA	3,516
	BUFFALO	NEW YORK	58		WASHINGTON	DC	183
	NORFOLK	VIRGINIA	4,364		MCLEAN	VIRGINIA	148

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193	DECISIONS & DESIGNS INC		S 3,804 *	216	SCHAFER W J ASSOCIATES INC	S 3,212 *	
	WASHINGTON DC		35		LA JOLLA CALIFORNIA	61	
	MCLEAN VIRGINIA		3,769		WAKEFIELD MASS	2,997	
194	EATON CORP		3,773 *		ARLINGTON VIRGINIA	154	
	DEER PARK NEW YORK		3,344	217	TELEDYNE C A E	3,212 *	
	FARMINGDALE NEW YORK		50		TOLEDO OHIO	3,212	
	MELLENVILLE NEW YORK		65	218	MARQUARDT CO	3,200 *	
	MELVILLE NEW YORK		314		VAN NUYS CALIFORNIA	3,200	
195	ENGINEERING RESEARCH ASSOCIATES	S 3,747 *		219	V S E CORP	3,176 *	
	MCLEAN VIRGINIA	1,253			OXNARD CALIFORNIA	1,378	
	RESTON VIRGINIA	2,494			ALEXANDRIA VIRGINIA	1,758	
196	SCOTT AVIATION SIERRA PRODUCTS INC	3,746 *			ARLINGTON VIRGINIA	40	
	MONROVIA CALIFORNIA	2,139		220	INTERMETRICS INC	S 3,112 *	
	SIERRA MADRE CALIFORNIA	1,607			LONG BEACH CALIFORNIA	1,280	
197	STANFORD TELECOMMUNICATIONS INC	S 3,690 *			CAMBRIDGE MASS	1,510	
	EL SEGUNDO CALIFORNIA	49			WRIGHT PATTERS OHIO	16	
	SUNNYVALE CALIFORNIA	3,641			WARMINSTER PA	306	
198	PACCAR INC	3,544 *		222	D B A SYSTEMS INC	S 3,096 *	
	RENTON WASHINGTON	3,544			MELBOURNE FLORIDA	3,096	
200	SANDERS ASSOCS & NORTHROP CORP JV	3,501 *		223	HYCOR INC	S 3,084 *	
	NASHUA NH	3,501			WOBBURN MASS	3,084	
202	FAIRCHILD CAMERA & INSTRUMENT CORP	3,447 *		224	DYNETICS INC	S 3,069 *	
	PALO ALTO CALIFORNIA	33			HUNTSVILLE ALABAMA	3,069	
	SYOSSET NEW YORK	948		225	KETRON INC	S 3,020 *	
	HORSHAM PA	2,466			PHILADELPHIA PA	117	
204	WHITTAKER CORP	3,428 *			WAYNE PA	821	
	CHATSWORTH CALIFORNIA	3,308			ARLINGTON VIRGINIA	2,082	
	NORTH HOLLYWOOD CALIFORNIA	120		227	FLIGHT SYSTEMS INC	S 2,953 *	
205	ELECTROSPACE SYSTEMS INC	S 3,406 *			MOJAVE CALIFORNIA	90	
	DAYTON OHIO	20			NEWPORT BEACH CALIFORNIA	1,436	
	RICHARDSON TEXAS	3,386			WHITE SANDS MS	1,427	
206	UNITED SPACE BOOSTERS INC	3,400 *		230	PLANNING SYSTEMS INC	S 2,863 *	
	VANDENBERG AFB CALIFORNIA	3,400			MCLEAN VIRGINIA	2,863	
208	ARGO SYSTEMS INC	S 3,369 *		232	ACUREX CORP	S 2,855 *	
	PALO ALTO CALIFORNIA	1,489			MONROVIA CALIFORNIA	112	
	SUNNYVALE CALIFORNIA	1,880			MOUNTAIN VIEW CALIFORNIA	2,399	
209	SPARTON CORP	3,356 *			DAYTON OHIO	284	
	JACKSON MICHIGAN	3,356		234	SPEARS ASSOCIATES INC	S 2,782 *	
210	QUEST RESEARCH CORP	S 3,324 *			NEWTON MASS	23	
	MCLEAN VIRGINIA	3,324			NORWOOD MASS	2,605	
211	ADVANCED TECHNOLOGY INC	S 3,309 *		235	PRESEARCH INC	S 2,700 *	
	SAN DIEGO CALIFORNIA	65			ARLINGTON VIRGINIA	2,700	
	FORT MONMOUTH NEW JERSEY	47		238	XEROX CORP	2,638 *	
	MCLEAN VIRGINIA	2,718			PALO ALTO CALIFORNIA	87	
	QUANTICO VIRGINIA	479			PASADENA CALIFORNIA	2,404	
212	DEVELOPMENTAL SCIENCES INC	S 3,272 *			WEBSTER NEW YORK	4*	
	CITY OF INDUST CALIFORNIA	3,272		239	MANTECH INTERNATIONAL CORP	S 2,655 *	
213	BURROUGHS CORP	3,263 *			GERMANY GERMANY	675	
	PAOLI PA	3,263			HUNTSVILLE ALABAMA	81	
214	PACIFIC SIERRA RESEARCH CORP	S 3,239 *			SAN DIEGO CALIFORNIA	27	
	SANTA MONICA CALIFORNIA	3,215			LIVINGSTON NEW JERSEY	96	
	FAIRBORN OHIO	24			DAYTON OHIO	2	
					FORT WORTH TEXAS	7	
					ARLINGTON VIRGINIA	48	
					MCLEAN VIRGINIA	25	
					NORFOLK VIRGINIA	96	

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240	SIGNATRON INC	LEWISTON MASS	\$ 2,611 *	267	SYSTEMATICS GENERAL CORP	FALLS CHURCH VIRGINIA	\$ 2,052 *
244	SANTA BARBARA RESEARCH CENTER	GOLETA CALIFORNIA	2,572 *	268	TRIAD MICROSYSTEMS INC	HUNTSVILLE ALABAMA	\$ 2,050 *
245	LOCKHEED SHIPBUILDING	SEATTLE WASHINGTON	2,571 *			SANTA ANA CALIFORNIA	1,832
246	O A O CORP	HUNTSVILLE ALABAMA	\$ 2,571 *	269	MATHEMATICAL SCIENCE NORTHWEST INC	BELLEVUE WASHINGTON	\$ 2,046 *
		EL SEGUNDO CALIFORNIA	1,330	270	TECHNITROL INC	PHILADELPHIA PA	2,038 *
		BELTSVILLE MARYLAND	1,105				2,038
		FORT BELVOIR VIRGINIA	30	271	ATLANTIC ANALYSIS CORP	NORFOLK VIRGINIA	\$ 2,025 *
247	CUMMINS ENGINE CO INC	COLUMBUS INDIANA	2,546 *	272	EFFECTS TECHNOLOGY INC	SANTA BARBARA CALIFORNIA	2,024 *
			2,546				2,024
249	SEMCOR INC	MOORESTOWN NEW JERSEY	\$ 2,402 *	273	SYNECTICS CORP	ROME NEW YORK	\$ 2,009 *
		ARLINGTON VIRGINIA	2,278			FAIRFAX VIRGINIA	256
			124				753
250	GENERAL OFFSHORE CORP	FORT LAUDERDAL FLORIDA	\$ 2,383 *	274	SPACE VECTOR CORP	NORTHBRIDGE CALIFORNIA	\$ 989 *
			2,383				989
251	MAN TECH CORP	ANNAPOLIS MARYLAND	\$ 2,366 *	275	SPACE DATA CORP	TEMPE ARIZONA	\$ 980 *
		ROCKVILLE MARYLAND	328				980
		LIVINGSTON NEW JERSEY	909	276	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 96 *
		ALEXANDRIA VIRGINIA	999				96
		ARLINGTON VIRGINIA	25	277	TRANSISTERS INC	ANN ARBOR MICHIGAN	\$ 944 *
		NORFOLK VIRGINIA	487				94
			8				767
252	COMPUTER CORP OF AMERICA	CAMBRIDGE MASS	\$ 2,363 *	278	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 91 *
			2,363				44
255	DIGITAL EQUIPMENT CORP	COSTA MESA CALIFORNIA	2,311 *				161
		CHAMPAIGN ILLINOIS	2,311	279	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
		CANHAM MARYLAND	4				89
		MAYNARD MASS	4				89
		SALEM NH	4				89
257	SYNECTICS SYSTEMS CORP	FALLS CHURCH VIRGINIA	\$ 2,299 *	280	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
			2,299				89
258	SONART INC	CHICAGO ILLINOIS	\$ 2,279 *	281	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
			2,279				89
261	ANALYSIS & COMPUTER SYSTEMS INC	EDINBURGH SCOTLAND	\$ 2,279 *	282	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
		BEDFORD MASS	2,279				89
262	GENERAL ATOMICS CORP	PHILADELPHIA PA	\$ 2,279 *	283	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
			2,279				89
263	ARA TECHNOLOGY	ROCKVILLE MARYLAND	\$ 2,279 *	284	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
			2,279				89
264	PER ELECTRONICS INC	WOODBRIDGE NEW JERSEY	\$ 2,279 *	285	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
		EUGENE OREGON	2,279				89
		ARLINGTON VIRGINIA	2,279				89
265	PER ELECTRONICS INC	WOODBRIDGE NEW JERSEY	\$ 2,279 *	286	ALCANTARA TECHNOLOGIES CORP	ANN ARBOR MICHIGAN	\$ 89 *
			2,279				89
266	PER ELECTRONICS INC	WOODBRIDGE NEW JERSEY	\$ 2,279 *				89
			2,279				89

\* MINUS AMOUNT CANCELLATIONS EXCEED NEW AWARDS  
\$ = SMALL BUSINESS



**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
294	C T E C		\$ 1,781 *	330	HUGHES RESEARCH LABORATORIES		1,550 *
	FALLS CHURCH	VIRGINIA	1,013		MALIBU	CALIFORNIA	1,550
	MCLEAN	VIRGINIA	768				
296	PROTOTYPE DEVELOPMENT INC		\$ 1,755 *	331	B K DYNAMICS INC		S 1,545 *
	SANTA ANA	CALIFORNIA	1,755		WASHINGTON	DC	80
					GAITHERSBURG	MARYLAND	50
297	UNIVERSAL ENERGY SYSTEMS INC		\$ 1,754 *		ROCKVILLE	MARYLAND	1,415
	DAYTON	OHIO	1,522	332	SYSTEMS ENGINEERING LABORATORIES		1,536 *
	WRIGHT PATTERS	OHIO	232		WILLIAMS AFB	ARIZONA	1,034
					FORT LAUDERDAL	FLORIDA	396
298	FIGGIE INTERNATIONAL INC		1,752 *		RIVERDALE	MARYLAND	106
	SIERRA MADRE	CALIFORNIA	60	333	CADRE CORP		S 1,527 *
	HUNTINGTON STA	NEW YORK	1,692		DORAVILLE	GEORGIA	1,527
300	TRACOR MARINE INC		1,745 *	334	RAYCOMM INDUSTRIES INC		S 1,521 *
	PORT EVERGLADE	VIRGIN IS	1,387		FORT MONMOUTH	NEW JERSEY	1,521
	AUSTIN	FLORIDA	240				
		TEXAS	118	336	TELEDYNE GEOTECH		1,517 *
302	SYSTEMS ARCHITECTS INC		S 1,723 *		GARLAND	TEXAS	1,517
	RANDOLPH	MAINE	114	338	VEDA INC		S 1,505 *
	RANDOLPH	MASS	1,359		DAYTON	OHIO	562
	WRIGHT PATTERS	OHIO	250		SOUTHAMPTON	PA	49
305	INTERNATIONAL LASER SYSTEMS INC		1,692 *		ARLINGTON	VIRGINIA	894
	ORLANDO	FLORIDA	432	339	MARTIN & STERN INC		S 1,497 *
	KIRTLAND AFB	NEW MEXICO	1,260		MANHATTAN BEAC	CALIFORNIA	1,497
306	BELL & HOWELL CO		1,691 *	340	XONICS INC		1,492 *
	PASADENA	CALIFORNIA	594		LOS ANGELES	CALIFORNIA	179
	CHICAGO	ILLINOIS	1,097		VAN NUYS	CALIFORNIA	1,313
307	SLEDRUP TECHNOLOGY INC		1,689 *	341	FIBER MATERIALS INC		S 1,490 *
	ARNOLD EDC	TENNESSEE	1,689		BIDDEFORD	MAINE	1,490
308	WATER SYSTEMS INC		S 1,686 *	342	INTERNATIONAL COMPUTING CO		S 1,437 *
	BURLINGTON	MASS	488		BETHESDA	MARYLAND	237
	FORT WASHINGTON	PA	1,198		DAYTON	OHIO	1,200
309	ANALYTICAL RESEARCH & APP CORP		S 1,673 *	343	WASHINGTON PATROL SERVICE INC		S 1,424 *
	SUNNYVALE	CALIFORNIA	1,673		T T PAC IS		1,424
310	RESEARCH CORP		S 1,671 *	344	VARO INC		1,421 *
	GAITHERSBURG	MARYLAND	671		GARLAND	TEXAS	1,421
311	TECH CORP		S 1,665 *	345	AERONAUTICAL RESEARCH ASSOCIATES		S 1,398 *
	ARLINGTON	PA	408		PORT REPUBLIC	NEW JERSEY	80
	WILSON	PA	257		PRINCETON	NEW JERSEY	1,318
312	TECH CORP		S 1,647 *	346	CORNING GLASS WORKS		1,394 *
	DAYTON	OHIO	647		CANTON	NEW YORK	1,001
313	TECH CORP		S 1,637 *		CORNING	NEW YORK	393
	DAYTON	OHIO	162	347	BROWN DAYTON T INC		S 1,389 *
	DAYTON	OHIO	475		BOHEMIA	NEW YORK	1,389
314	TECH CORP		S 1,606 *	348	ANACAPA SCIENCES INC		S 1,388 *
	DAYTON	OHIO	606		DOTHAN	ALABAMA	710
315	TECH CORP		S 1,587 *		SANTA BARBARA	CALIFORNIA	678
	DAYTON	OHIO	354	349	VERAC INC		S 1,388 *
	DAYTON	OHIO	233		SAN DIEGO	CALIFORNIA	1,388
316	TECH CORP		S 1,563 *	350	TECHNOLOGY INC		S 1,381 *
	DAYTON	OHIO	967		DAYTON	OHIO	697
317	TECH CORP		S 1,551 *		BROOKS AFB	TEXAS	521
	DAYTON	OHIO	950		SAN ANTONIO	TEXAS	183

NOTE: \* = AWARD VALUE NOT KNOWN. \*\* = AWARD VALUE NOT KNOWN.

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
352	GLOBAL MARINE DEVELOPMENT INC NEWPORT BEACH CALIFORNIA	1,353 * 1,353	377	DIKEWOOD INDUSTRIES INC ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	S 1,211 * 313 898
354	AERODYNE RESEARCH INC BEDFORD MASS	S 1,338 * 1,338	378	BOOZ ALLEN APPLIED RESEARCH INC BETHESDA MARYLAND	1,208 * 1,208
356	AUERBACH ASSOCIATES INC ARLINGTON VIRGINIA	S 1,332 * 1,332	379	ORLANDO TECHNOLOGY INC ORLANDO FLORIDA SHALIMAR FLORIDA	S 1,203 * 692 511
357	TELEPHONICS HUNTINGTON NEW YORK	1,332 * 1,332	381	QUESTRON CORP EL SEGUNDO CALIFORNIA SAN DIEGO CALIFORNIA	S 1,194 * 918 276
358	PACIFICA TECHNOLOGY DEL MAR CALIFORNIA SAN DIEGO CALIFORNIA	S 1,307 * 758 549	382	BOEING COMPUTER SERVICES INC VIENNA VIRGINIA SEATTLE WASHINGTON	1,188 * 1,109 79
359	FIRESTONE TIRE & RUBBER CO AKRON OHIO	1,306 * 1,306	383	CAS INC HUNTSVILLE ALABAMA	S 1,182 * 1,182
360	AUSTIN RESEARCH ASSOCIATES AUSTIN TEXAS	S 1,300 * 1,300	384	INTER SYSTEMS INC FORT MONMOUTH NEW JERSEY	S 1,170 * 1,170
361	DECISION SCIENCE APPLICATIONS INC ARLINGTON VIRGINIA	S 1,297 * 1,297	385	ENERGY RESEARCH CORP BETHEL CONN DANBURY CONN	1,166 * 794 372
363	VISIDYNE INC BURLINGTON MASS	S 1,292 * 1,292	386	XETRON CORP CINCINNATI OHIO	S 1,165 * 1,165
364	APPLIED SCIENCE ASSOCIATES INC APEX NCAR VALENCIA PA FORT BLISS TEXAS	S 1,276 * 20 912 344	388	OPTI METRICS INC ANN ARBOR MICHIGAN WHITE SANDS MS NEW MEXICO	S 1,155 * 30 1,125
365	UNIFIED INDUSTRIES INC ALEXANDRIA VIRGINIA	S 1,276 * 1,276	390	NETWORK ANALYSIS CORP GREAT NECK NEW YORK	1,145 * 1,145
366	CALCULON CORP TINTON FALLS NEW JERSEY PHILADELPHIA PA ARLINGTON VIRGINIA	S 1,270 * 1,089 46 135	391	CONAX CORP BUFFALO NEW YORK	S 1,142 * 1,142
367	ANALYTYX ELECTRONICS SYSTEMS INC HUDSON NH NASHUA NH	S 1,257 * 1,148 109	393	LOCUS INC WASHINGTON DC BOALSBURG PA STATE COLLEGE PA	S 1,117 * 232 744 141
369	SIERRA RESEARCH CORP BUFFALO NEW YORK	1,251 * 1,251	394	SCIPAR INC BUFFALO NEW YORK	S 1,115 * 1,115
370	RESEDEL ENGINEERING CORP ARCADIA CALIFORNIA	S 1,248 * 1,248	395	DIGITAL COMMUNICATIONS CORP GAITHERSBURG MARYLAND GERMANTOWN MARYLAND	1,112 * 692 420
371	C N R INC NEEDHAM MASS NEEDHAM HEIGHT MASS	S 1,243 * 240 1,003	396	ORINCON CORP LA JOLLA CALIFORNIA	S 1,104 * 1,104
372	S C I SYSTEMS INC HUNTSVILLE ALABAMA	1,242 * 1,242	397	VALIDITY CORP CHELTENHAM MARYLAND CLINTON MARYLAND	S 1,104 * 232 872
373	ARETE ASSOCIATES INC SANTA MONICA CALIFORNIA	S 1,225 * 1,225	398	RAIL CO INC ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	S 1,101 * 1,071 30
375	SYSTEMS PLANNING & ANALYSIS INC ARLINGTON VIRGINIA FALLS CHURCH VIRGINIA	S 1,216 * 518 698	400	DOTY ASSOCIATES ROCKVILLE MARYLAND	S 1,090 * 1,090
376	OCEAN DATA SYSTEMS INC MONTEREY CALIFORNIA SAN DIEGO CALIFORNIA ROCKVILLE MARYLAND	S 1,215 * 60 30 1,125	402	SANTA FE CORP ALEXANDRIA VIRGINIA	S 1,080 * 1,080

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**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
404	FREQUENCY ELECTRONICS INC HYDE PARK NEW YORK NEW HYDE PARK NEW YORK	\$ 1,071 * 1,019 52	427	CRAIG SYSTEMS CORP LAWRENCE MASS	971 * 971
405	SACHS FREEMAN ASSOCIATES INC WASHINGTON DC BLADENSBURG MARYLAND BOWIE MARYLAND HYATTSVILLE MARYLAND	\$ 1,067 * 259 190 88 530	428	FEDERAL ELECTRIC CORP EDWARDS AFB CALIFORNIA	969 * 969
406	DENELCOR INC DENVER COLORADO	\$ 1,066 * 1,066	429	KURAS ALTERMAN CORP FAIRFIELD NEW JERSEY WAYNE NEW JERSEY ARLINGTON VIRGINIA	966 * 156 729 81
408	CALIFORNIA RESEARCH & TECHNOLOGY WOODLAND HILLS CALIFORNIA	\$ 1,054 * 1,054	431	SCIENTIFIC TECH ASSOCIATES INC PRINCETON NEW JERSEY	\$ 963 * 963
409	DESIGNERS & PLANNERS INC NEW YORK NEW YORK ARLINGTON VIRGINIA	\$ 1,054 * 68 986	432	TELEDYNE INC SAN DIEGO CALIFORNIA MUSKEGON MICHIGAN TOLEDO OHIO GARLAND TEXAS	963 * 108 425 30 400
410	PETERSON BUILDERS INC STURGEON BAY WISCONSIN	\$ 1,050 * 1,050	433	ADVANCED MARINE ENTERPRISES INC ARLINGTON VIRGINIA	\$ 962 * 962
411	SUPPORT SYSTEMS ASSOCIATES INC BURLINGTON MASS DAYTON OHIO WRIGHT PATTERS OHIO	\$ 1,050 * 629 67- 488	434	GRUMMAN CORP BETHPAGE NEW YORK	957 * 957
412	SPECTRA RESEARCH SYSTEMS INC HUNTSVILLE ALABAMA IRVINE CALIFORNIA NEWPORT BEACH CALIFORNIA	\$ 1,049 * 178 356 515	436	SPIRE CORP BEDFORD MASS	\$ 952 * 952
413	PHYSICS APPLICATIONS INC FREMONT CALIFORNIA SAN JOSE CALIFORNIA DAYTON OHIO	\$ 1,048 * 969 49 30	437	WATKINS JOHNSON CO PALO ALTO CALIFORNIA GAITHERSBURG MARYLAND	946 * 926 20
414	EASTMAN KODAK CO ROCHESTER NEW YORK	1,044 * 1,044	438	MICROELECTRONICS ENGINEERING CORP AUBURN ALABAMA	\$ 944 * 944
415	MEASUREMENT CONCEPT CORP FORT MONMOUTH NEW JERSEY ROME NEW YORK	\$ 1,041 * 49 992	439	MCFANN GRAY & ASSOCIATES MONTEREY CALIFORNIA SAN ANTONIO TEXAS	\$ 941 * 873 68
417	BLOCK ENGINEERING INC CAMBRIDGE MASS	\$ 1,037 * 1,037	440	POLAR RESEARCH LABORATORY INC SANTA BARBARA CALIFORNIA	\$ 939 * 939
419	NIELSEN ENGINEERING & RESEARCH CO MOUNTAIN VIEW CALIFORNIA	\$ 1,021 * 1,021	441	MICROWAVE ASSOCIATES INC BURLINGTON MASS	935 * 935
421	ARMAMENT SYSTEMS INC ANAHEIM CALIFORNIA ABERDEEN PROV MARYLAND	\$ 1,011 * 891 120	443	SPECTRAL DYNAMICS CORP SAN DIEGO CALIFORNIA	926 * 926
422	J R B ASSOCIATES INC MCLEAN VIRGINIA	1,006 * 1,006	444	EAGLE TECHNOLOGY INC FULLERTON CALIFORNIA WARMINSTER PA ARLINGTON VIRGINIA	\$ 924 * 542 128 254
423	M & S COMPUTING INC HUNTSVILLE ALABAMA MADISON ALABAMA	\$ 989 * 975 14	445	ADVANCED INFORMATION & DECN SYS LOS ALTOS CALIFORNIA MOUNTAIN VIEW CALIFORNIA	\$ 923 * 39 884
424	ANALYTICAL ASSESSMENTS CORP MARINA DEL REY CALIFORNIA	\$ 977 * 977	446	CORVUS SYSTEMS INC MCLEAN VIRGINIA VIENNA VIRGINIA	\$ 920 * 135 785
425	CHALCO ENGINEERING CORP EDWARDS AFB CALIFORNIA	\$ 973 * 973	447	HYDROACOUSTICS INC ROCHESTER NEW YORK	\$ 918 * 918
426	FALCON RESEARCH & DEVELOPMENT CO DENVER COLORADO ENGLEWOOD COLORADO BALTIMORE MARYLAND ALBUQUERQUE NEW MEXICO BUFFALO NEW YORK	973 * 83 93 548 25 224	448	C D I CORP ARLINGTON VIRGINIA	913 * 913
			449	MINE SAFETY APPLIANCES CO EVANS CITY PA	903 * 903

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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
450	GEODYNAMICS CORP SANTA BARBARA SPRINGFIELD	CALIFORNIA VIRGINIA	S 901 * 734 167	475	OCEAN TECHNOLOGY INC BURBANK MIDDLETOWN	CALIFORNIA RI	806 * 727 79
451	GIBBS & COX INC NEW YORK ARLINGTON	NEW YORK VIRGINIA	894 * 19 875	477	POLARIS INC ARLINGTON OAKTON	VIRGINIA VIRGINIA	S 799 * 111 688
452	DYNAMICS SYSTEMS CORP MCLEAN	VIRGINIA	890 * 890	478	LITTON INDUSTRIES INC SAN CARLOS VAN NUYS COLLEGE PARK PASCAGOULA	CALIFORNIA CALIFORNIA MARYLAND MISS	798 * 215 45 290 248
453	XYBION CORP CEDAR KNOLLS	NEW JERSEY	S 883 * 883	479	BEDFORD RESEARCH ASSOCIATES INC HANSCOM AFB	MASS	S 796 * 796
454	ROSENBLATT M SON INC NEW YORK ARLINGTON	NEW YORK VIRGINIA	S 879 * 91 788	480	COMPUGRAPHIC CORP WILMINGTON	MASS	791 * 791
455	EDMAC ASSOCIATES INC ROCHESTER	NEW YORK	S 870 * 870	481	NUCLEAR METALS INC CONCORD	MASS	S 790 * 790
456	NORTH AMERICAN PHILIPS CORP BRIARCLIFF MAN	NEW YORK	869 * 869	483	P E SYSTEMS INC SAN DIEGO ALEXANDRIA	CALIFORNIA VIRGINIA	S 787 * 196 591
457	I M R SYSTEMS CORP FORT LEAVENWOR	KANSAS	S 866 * 866	484	ADVANCED DESIGN CORP ALEXANDRIA	VIRGINIA	S 783 * 783
459	SONALYSTS INC WATERFORD	CONN	S 863 * 863	485	NEW TECHNOLOGY INC HUNTSVILLE	ALABAMA	S 783 * 783
461	RADIAN CORP AUSTIN	TEXAS	859 * 859	487	KERNCO INC DANVERS	MASS	S 778 * 778
462	KTECH CORP ALBUQUERQUE	NEW MEXICO	S 854 * 854	488	INTERNATIONAL HARVESTER CO SAN DIEGO	CALIFORNIA	777 * 777
463	MARINETTE MARINE CORP MARINETTE	WISCONSIN	S 850 * 850	489	PACIFIC ANALYSIS CORP HONOLULU CITY	HAWAII	S 776 * 776
464	EDUCATIONAL COMPUTER CORP ORLANDO	FLORIDA	S 846 * 846	491	MAR INC ROCKVILLE	MARYLAND	S 772 * 772
465	CADILLAC GAGE CO WARREN	MICHIGAN	845 * 845	492	APPLICATIONS RESEARCH CORP DAYTON	OHIO	S 770 * 770
466	APPLICON INC BURLINGTON	MASS	S 839 * 839	493	SYSTRAN CORP DAYTON	OHIO	S 770 * 770
467	BATTELLE COLUMBUS LABORATORIES COLUMBUS	OHIO	838 * 838	494	STERLING SYSTEMS INC DENVER ROME MCLEAN	COLORADO NEW YORK VIRGINIA	S 766 * 17 43 706
468	ANALYTIC DECISIONS INC ARLINGTON	VIRGINIA	S 835 * 835	495	LOCKHEED ELECTRONICS CO INC ORLANDO PLAINFIELD	FLORIDA NEW JERSEY	765 * 216 549
469	ADVANCED TECHNOLOGY MCLEAN	VIRGINIA	S 828 * 828	496	MAC AULAY BROWN INC DAYTON FAIRBORN	OHIO OHIO	S 765 * 584 181
470	ESSEX CORP WHITE SANDS MS ALEXANDRIA	NEW MEXICO VIRGINIA	S 828 * 160 668	497	ERTEC WESTERN INC LONG BEACH	CALIFORNIA	S 763 * 763
471	SHARP GEORGE G INC NEW YORK ARLINGTON	NEW YORK VIRGINIA	S 819 * 221 598	498	SIERRA GEOPHYSICS INC ARCADIA REDMOND	CALIFORNIA WASHINGTON	S 763 * 623 140
472	DEFENSE SYSTEMS INC ARLINGTON MCLEAN	VIRGINIA VIRGINIA	S 816 * 111 705				
474	VREDENBURG R M & CO MCLEAN	VIRGINIA	S 813 * 813				

- \* MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S \* SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Business Firms: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
499	TECHNOLOGY DEVELOPMENT CORP CALIF S ARLINGTON TEXAS	760 - 760			
500	I L C DOVER FREDERICA DELAWARE	759 - 759			
		8,929,974			

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1981**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
10	AEROSPACE CORP EL SEGUNDO CALIFORNIA	198,931 *		BATTELLE MEMORIAL INSTITUTE	
		198,931		FORT MONMOUTH NEW JERSEY	225
13	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND	186,350 *		WHITE SANDS MS NEW MEXICO	283
	LAUREL MARYLAND	103,884		DEER PARK NEW YORK	17
	SCAGGSVILLE MARYLAND	118,382		DURHAM NCAR	261
		35,916-		RESEARCH TRIAN NCAR	214
15	MASSACHUSETTS INSTITUTE TECHNOLOGY CAMBRIDGE MASS	163,827 *		COLUMBUS OHIO	11,456
	LEXINGTON MASS	26,108		WRIGHT PATTERS OHIO	25
		137,719		FORT SILL OKLAHOMA	11
21	MITRE CORP	128,789 *		FORT BLISS TEXAS	69
	BEDFORD MASS	39		FORT WORTH TEXAS	19
		128,750		FORT BELVOIR VIRGINIA	150
43	CHARLES STARK DRAPER LABS INC CAMBRIDGE MASS	47,871 *		FORT EUSTIS VIRGINIA	176
		47,871		FORT LEE VIRGINIA	32
48	ILLINOIS INSTITUTE TECHNOLOGY CHICAGO ILLINOIS	36,452 *		FORT MONROE VIRGINIA	535
	ANNAPOLIS MARYLAND	5,172		RICHLAND WASHINGTON	665
	GRIFFISS AFB NEW YORK	30,292	78	TEXAS UNIVERSITY OF	16,514 *
	ROME NEW YORK	435		ARLINGTON TEXAS	70
	WRIGHT PATTERS OHIO	341		AUSTIN TEXAS	15,415
		212		DALLAS TEXAS	95
53	S R I INTERNATIONAL	33,609 *		EL PASO TEXAS	135
	MENLO PARK CALIFORNIA	33,047		GALVESTON TEXAS	61
	MOFFETT FIELD CALIFORNIA	550		HOUSTON TEXAS	50
	ARLINGTON VIRGINIA	12		RICHARDSON TEXAS	102
				SAN ANTONIO TEXAS	586
57	CALIFORNIA UNIVERSITY OF	29,878 *	86	ROCHESTER UNIVERSITY OF	15,044 *
	BERKELEY CALIFORNIA	7,526		ROCHESTER NEW YORK	1,613
	DAVIS CALIFORNIA	117		ARLINGTON VIRGINIA	13,431
	IRVINE CALIFORNIA	1,359	87	PENNSYLVANIA STATE UNIVERSITY	15,018 *
	LA JOLLA CALIFORNIA	10,362		HERSHEY PA	16
	LIVERMORE CALIFORNIA	35		STATE COLLEGE PA	1,216
	LOS ANGELES CALIFORNIA	3,672		UNIVERSITY PAR PA	13,786
	RIVERSIDE CALIFORNIA	388	88	INSTITUTE FOR DEFENSE ANALYSIS	14,690 *
	SAN DIEGO CALIFORNIA	739		ARLINGTON VIRGINIA	14,690
	SAN FRANCISCO CALIFORNIA	451	93	DAYTON UNIVERSITY OF	13,551 *
	SANTA BARBARA CALIFORNIA	1,414		WILLIAMS AFB ARIZONA	963
	SANTA CRUZ CALIFORNIA	147		EDWARDS AFB CALIFORNIA	368
	SEPUVEDA CALIFORNIA	60		KIRTLAND AFB NEW MEXICO	2,251
	WRIGHT PATTERS OHIO	3,608		DAYTON OHIO	6,049
				WRIGHT PATTERS OHIO	3,980
68	RAND CORP	20,467 *	94	WASHINGTON UNIVERSITY OF	13,529 *
	SANTA MONICA CALIFORNIA	20,467		ST LOUIS MISSOURI	175
72	GEORGIA TECH RESEARCH INSTITUTE ATLANTA GEORGIA	18,261 *		SEATTLE WASHINGTON	13,354
		18,261	97	SOUTHERN CALIFORNIA UNIVERSITY OF	12,614 *
74	STANFORD UNIVERSITY	18,004 *		LOS ANGELES CALIFORNIA	12,499
	MENLO PARK CALIFORNIA	95		MARINA DEL REY CALIFORNIA	115
	PALO ALTO CALIFORNIA	254	121	UTAH STATE UNIVERSITY	8,700 *
	STANFORD CALIFORNIA	17,655		LOGAN UTAH	8,700
77	BATTELLE MEMORIAL INSTITUTE	16,600 *	132	WOODS HOLE OCEANOGRAPHIC INST	7,403 *
	HUNTSVILLE ALABAMA	262		WOODS HOLE MASS	7,403
	REDSTONE ARSEN ALABAMA	448	135	CARNEGIE MELLON UNIVERSITY	7,295 *
	SANTA MONICA CALIFORNIA	13		PITTSBURGH PA	7,295
	WASHINGTON DC	146	137	ANALYTIC SERVICES INC	6,934 *
	CLEARWATER FLORIDA	11		WRIGHT PATTERS OHIO	62
	ATLANTA GEORGIA	75		WILLOW GROVE PA	59
	FORT GORDON GEORGIA	39		ARLINGTON VIRGINIA	6,813
	ABERDEEN PROV MARYLAND	882	138	MARYLAND UNIVERSITY OF	6,775 *
	ADELPHI MARYLAND	14		BALTIMORE MARYLAND	2,451
	ANNAPOLIS MARYLAND	24		COLLEGE PARK MARYLAND	4,324
	FORT DETRICK MARYLAND	11			
	WALTHAM MASS	15			
	WATERTOWN MASS	22			
	ANN ARBOR MICHIGAN	51			
	WARREN MICHIGAN	12			
	VIKSBURG MISS	11			
	DOVER NEW JERSEY	426			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
140	NEW MEXICO UNIVERSITY OF ALBUQUERQUE NEW MEXICO KIRTLAND AFB NEW MEXICO	6,631 + 373 6,258	231	YALE UNIVERSITY NEW HAVEN CONN	2,801 + 2,801
144	ILLINOIS UNIVERSITY OF CHAMPAIGN ILLINOIS CHICAGO ILLINOIS URBANA ILLINOIS	6,148 + 375 1,118 4,655	233	MIAMI UNIVERSITY OF CORAL GABLES FLORIDA MIAMI FLORIDA	2,785 + 2,406 379
148	ENVIRONMENTAL RSCH INST OF MICH ANN ARBOR MICHIGAN	6,011 + 6,011	236	PRINCETON UNIVERSITY PRINCETON NEW JERSEY	2,684 + 2,684
154	GEORGIA INSTITUTE TECH ATLANTA GEORGIA	5,437 + 5,437	241	BOSTON UNIVERSITY BOSTON MASS CHESTNUT HILL MASS	2,584 + 2,532 52
155	PENNSYLVANIA UNIVERSITY OF WASHINGTON DC PHILADELPHIA PA	5,424 + 126 5,298	242	HARVARD UNIVERSITY CAMBRIDGE MASS	2,576 + 2,576
156	COLUMBIA UNIVERSITY NEW YORK NEW YORK PALISADES NEW YORK	5,324 + 4,991 333	243	SOUTHEASTERN CTR ELECT ENGR EDUC ORLANDO FLORIDA ST CLOUD FLORIDA WRIGHT PATTERS OHIO	2,575 + 136 2,217 222
167	SOUTHWEST RESEARCH INSTITUTE SAN ANTONIO TEXAS	4,629 + 4,629	248	NORTHWESTERN UNIVERSITY EVANSTON ILLINOIS	2,514 + 2,514
179	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK NEW YORK	4,087 + 3,918 169	253	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	2,344 + 2,344
185	WISCONSIN UNIVERSITY OF MADISON WISCONSIN MILWAUKEE WISCONSIN	4,047 + 4,015 32	254	CASE WESTERN RESERVE UNIVERSITY CLEVELAND OHIO	2,335 + 2,335
186	NEW MEXICO STATE UNIVERSITY LAS CRUCES NEW MEXICO WHITE SANDS MS NEW MEXICO	3,994 + 1,710 2,284	256	GEORGE WASHINGTON UNIVERSITY WASHINGTON DC	2,307 + 2,307
187	CALIFORNIA INSTITUTE OF TECHNOLOGY PASADENA CALIFORNIA	3,981 + 3,981	259	VIRGINIA POLYTECHNIC INSTITUTE BLACKSBURG VIRGINIA	2,204 + 2,204
199	MICHIGAN UNIVERSITY OF ANN ARBOR MICHIGAN	3,504 + 3,504	263	OKLAHOMA STATE UNIVERSITY OF EGLIN AFB FLORIDA STILLWATER OKLAHOMA	2,177 + 1,218 959
201	OHIO STATE UNIV RESERCH FOUNDATION COLUMBUS OHIO	3,450 + 3,450	277	MINNESOTA UNIVERSITY OF MINNEAPOLIS MINNESOTA ST PAUL MINNESOTA	1,960 + 1,120 840
203	ARIZONA UNIVERSITY OF TUCSON ARIZONA	3,436 + 3,436	278	PURDUE RESEARCH FOUNDATION LAFAYETTE INDIANA WEST LAFAYETTE INDIANA	1,952 + 124 1,828
207	OREGON STATE UNIVERSITY CORVALLIS OREGON	3,380 + 3,380	279	RENSSELAER POLYTECHNIC INSTITUTE TROY NEW YORK	1,942 + 1,942
215	HUMAN RESOURCES RESEARCH ORGN ALEXANDRIA GERMANY VIRGINIA	3,237 + 641 2,596	284	HAWAII UNIVERSITY OF HONOLULU CITY HAWAII	1,895 + 1,895
221	RIVERSIDE RESEARCH INSTITUTE NEW YORK NEW YORK ARLINGTON VIRGINIA	3,097 + 2,634 463	285	NEW MEXICO INSTITUTE MINING & TECH SOCORRO NEW MEXICO	1,843 + 1,843
226	TEXAS A & M RESEARCH FOUNDATION COLLEGE STATIO TEXAS	3,005 + 3,005	287	PITTSBURGH UNIVERSITY OF PITTSBURGH PA	1,826 + 1,826
229	BOSTON COLLEGE CHESTNUT HILL MASS HANSCOM AFB MASS NEWTON MASS WESTON MASS	2,868 + 2,200 15 248 405	292	NEW YORK POLYTECHNIC INSTITUTE BROOKLYN NEW YORK NEW YORK NEW YORK	1,783 + 1,718 65
			295	NEW YORK STATE UNIV RESEARCH FOUND ALBANY NEW YORK BUFFALO NEW YORK STONY BROOK NEW YORK	1,780 + 1,676 26 78

- + MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
299	RHODE ISLAND UNIVERSITY OF KINGSTON RI	1,749 + 1,749	368	GEORGETOWN UNIVERSITY WASHINGTON DC	1,257 + 1,257
301	FLORIDA UNIVERSITY GAINESVILLE FLORIDA	1,725 + 1,725	374	IOWA UNIVERSITY OF IOWA CITY IOWA	1,223 + 1,223
303	FLORIDA TECHNOLOGICAL UNIVERSITY ORLANDO FLORIDA	1,717 + 1,717	380	NORTH CAROLINA STATE UNIVERSITY CHAPEL HILL NCAR RALEIGH NCAR	1,201 + 33 1,168
304	TEXAS TECHNOLOGICAL COLLEGE LUBBOCK TEXAS	1,695 + 1,695	387	ALABAMA UNIVERSITY OF BIRMINGHAM ALABAMA HUNTSVILLE ALABAMA UNIVERSITY ALABAMA	1,158 + 226 759 173
311	STEVENS INSTITUTE OF TECHNOLOGY HOBOKEN NEW JERSEY	1,669 + 1,669	389	OHIO STATE UNIVERSITY THE COLUMBUS OHIO	1,149 + 1,149
313	PALISADES GEOPHYSICAL INSTITUTE BERMUDA MIAMI FLORIDA BLAUVELT NEW YORK WEST NYACK NEW YORK	1,662 + 210 11 429 1,012	392	NEW YORK UNIVERSITY NEW YORK NEW YORK	1,134 + 1,134
314	FLORIDA STATE UNIVERSITY GAINESVILLE FLORIDA TALLAHASSEE FLORIDA	1,659 + 291 1,368	399	LEHIGH UNIVERSITY BETHLEHEM PA	1,099 + 1,099
316	UTAH UNIVERSITY OF DUGWAY UTAH SALT LAKE CITY UTAH	1,647 + 54 1,593	401	DENVER UNIVERSITY OF DENVER COLORADO	1,084 + 1,084
318	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA	1,643 + 1,643	403	SALK INSTITUTE THE SWIFTWATER PA	1,074 + 1,074
319	CAPITOL RADIO ENGINEERING INST INC SILVER SPRING MARYLAND	1,639 + 1,639	407	TENNESSEE UNIVERSITY OF KNOXVILLE TENNESSEE MEMPHIS TENNESSEE TULLAHOMA TENNESSEE	1,061 + 661 46 354
321	WENTWORTH INSTITUTE BOSTON MASS	1,627 + 1,627	416	MISSOURI UNIVERSITY OF COLUMBIA MISSOURI KANSAS CITY MISSOURI ROLLA MISSOURI	1,040 + 609 78 353
322	COLORADO UNIVERSITY BOULDER COLORADO COLORADO SPGS COLORADO DENVER COLORADO	1,607 + 1,473 95 39	418	WASHINGTON UNIVERSITY ST LOUIS MISSOURI	1,033 + 1,033
325	SYRACUSE UNIVERSITY ROME NEW YORK SYRACUSE NEW YORK	1,587 + 207 1,380	420	LOUISIANA STATE UNIVERSITY OF BATON ROUGE LOUISIANA NEW ORLEANS LOUISIANA	1,020 + 974 46
326	MASSACHUSETTS UNIVERSITY OF AMHERST MASS	1,577 + 1,577	430	CLEMSON UNIVERSITY CLEMSON SCAR	963 + 963
328	NORTHEASTERN UNIVERSITY BOSTON MASS	1,554 + 1,554	435	DREXEL UNIVERSITY PHILADELPHIA PA	952 + 952
335	SYRACUSE RESEARCH CORP SYRACUSE NEW YORK	1,521 + 1,521	442	WASHINGTON STATE UNIVERSITY PULLMAN WASHINGTON	935 + 935
337	AMERICAN HEALTH FOUNDATION NEW YORK NEW YORK	1,509 + 1,509	458	MICHIGAN STATE UNIVERSITY EAST LANSING MICHIGAN	863 + 863
351	RESEARCH TRIANGLE INSTITUTE RESEARCH TRIAN NCAR	1,376 + 1,376	460	NORTH CAROLINA UNIVERSITY OF CHAPEL HILL NCAR WILMINGTON NCAR	859 + 773 86
353	BROWN UNIVERSITY PROVIDENCE RI	1,341 + 1,341	473	EMMANUEL COLLEGE BOSTON MASS LEXINGTON MASS	813 + 33 780
355	DUKE UNIVERSITY DURHAM NCAR	1,335 + 1,335	482	MICHIGAN TECHNOLOGICAL UNIVERSITY HOUGHTON MICHIGAN	787 + 787
362	VIRGINIA UNIVERSITY OF CHARLOTTESVILL VIRGINIA	1,297 + 1,297			

- + MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)



**Table 3. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1981  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
486	PALISADES INSTITUTE NEW YORK NEW YORK	780 - 780			
490	SYRACUSE UNIVERSITY RESEARCH CORP SYRACUSE NEW YORK	775 - 775			
		1,219,059			
- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)					

**Table 4. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to Foreign Contractors: FY 1981**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
79	CANADIAN COMMERCIAL CORP	16,324 *			
	WARMINSTER CANADA	16,259			
	PA	65			
90	RAUFOSS AMMUNISJONSFABRIKKER	14,531 *			
	NORWAY	14,531			
159	ALVIS LTD	5,259 *			
	UN KINGDOM	5,259			
176	ROYAL NORWEGIAN NAV MAT COMM	4,232 *			
	NORWAY	4,232			
191	MARCONI CO LTD	3,850 *			
	UN KINGDOM	3,850			
237	UNITED KINGDOM MINISTRY OF DEFENCE	2,670 *			
	UN KINGDOM	2,670			
317	MATRA CO	1,644 *			
	FRANCE	1,644			
		48,510			

- \* MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 5. Net Value of DOD Prime Contract Awards Over \$10,000  
for RDT&E to U.S. Government Agencies: FY 1981**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
76	UNITED STATES NATL AERO SPACE AGY RIDGELEY WVA	16,984 * 16,984			
142	NATIONAL ACADEMY OF SCIENCES WASHINGTON DC ABERDEEN PROV MARYLAND BETHESDA MARYLAND WHITE SANDS MS NEW MEXICO	6,311 * 5,892 65 224 130			
228	UNITED STATES COMMERCE DEPT BOULDER COLORADO WASHINGTON DC MIAMI FLORIDA GAITHERSBURG MARYLAND ROCKVILLE MARYLAND SEATTLE WASHINGTON	2,946 * 940 1,705 105 105 50 41			
476	NATIONAL SCIENCE FOUNDATION WASHINGTON DC	801 * 801			
		27,042			

- \* MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

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